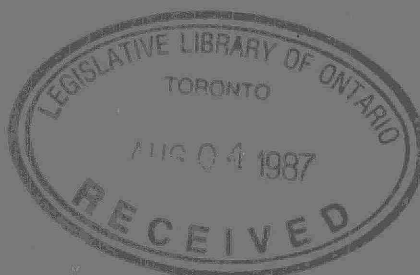


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**WATER QUALITY DATA  
ONTARIO LAKES  
AND STREAMS  
1982  
Northeastern Region**



Ontario

Ministry  
of the  
Environment



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WATER QUALITY DATA  
ONTARIO LAKES AND STREAMS

1982

NORTHEASTERN REGION

Water Resources Branch  
Ontario Ministry of the Environment

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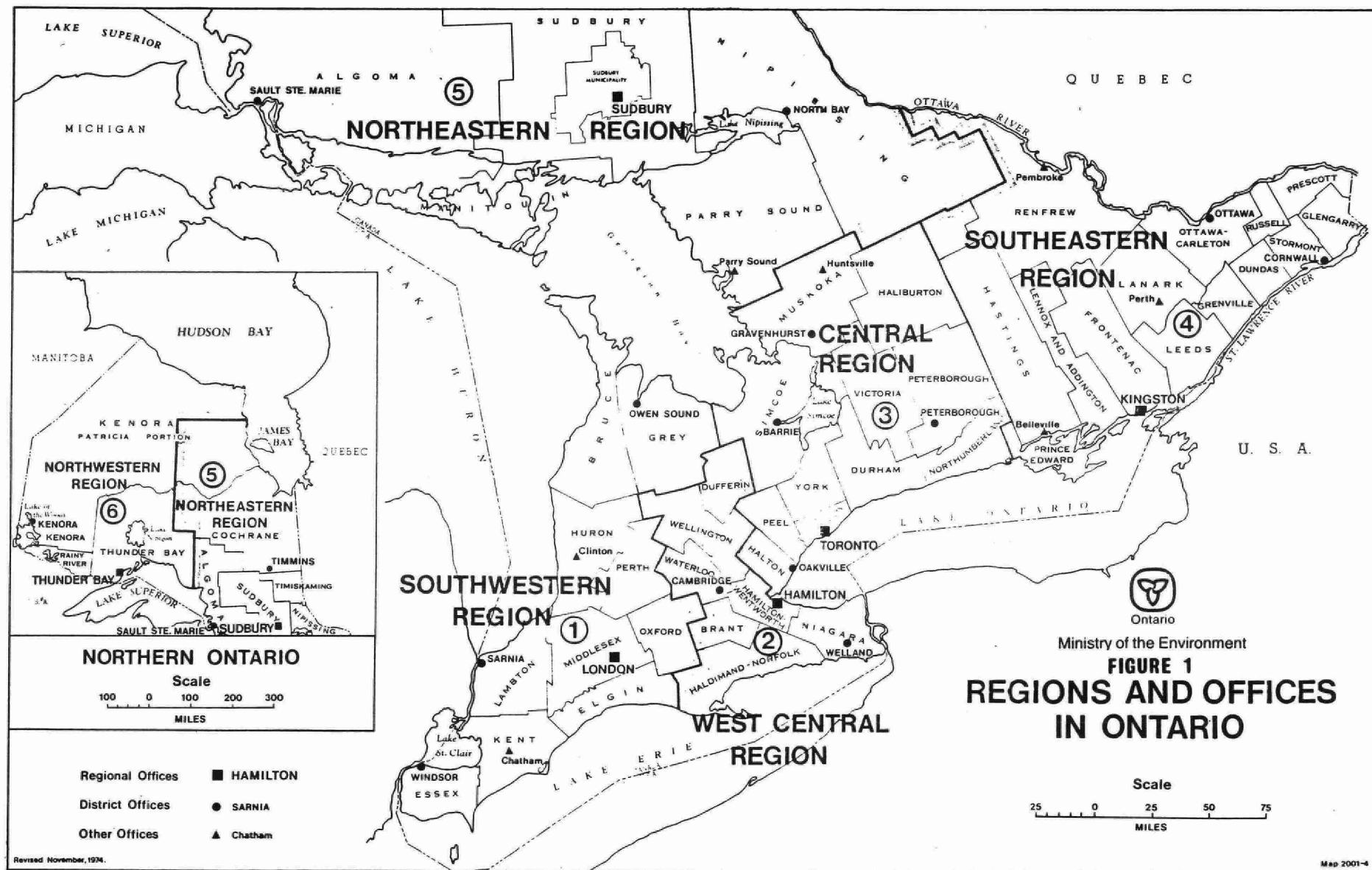
## INTRODUCTION

"Water Quality Data for Ontario Lakes and Streams", Northeastern Region, 1982, is a revised version of the previously published series entitled "Water Quality Data for Ontario Lakes and Streams, Volume I-XVIII". Published by the Water Resources Branch of the Ontario Ministry of the Environment. The data presented in this publication were collected by the Water Resources Assessment Units of this Ministry's six Regional Offices (Figure 1) with the assistance of local Conservation Authorities. Compilation and publication were performed by the Water and Wastewater Management Section of the Water Resources Branch. The data result from a routine sampling program designed to provide a long-term record of water quality information at specific points on rivers and inland lakes in Ontario.

Sampling station locations have been selected to meet one or more of the following requirements: (1) to measure quantitatively and qualitatively, the materials discharged from tributary streams to the terminal basins; (2) to monitor the effects of wastewater discharges on a watercourse; (3) to provide data that can be considered generally representative of water quality conditions in a certain area.

The information is used by the Ontario Ministry of the Environment to maintain surveillance over water quality and to provide supporting data used in the analysis and prediction of water quality for planning and other purposes. The data are also made available to any person or agency concerned with the quality of Ontario's rivers and lakes. The booklet "Water Management Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment", 1978 (Revised May, 1984) outlines the current policies for water management in Ontario.

Samples are analysed for some or all of the following parameters: counts of total and fecal coliforms, enterococci, *Pseudomonas aeruginosa* and *Escherichia coli* forms, concentrations of biochemical oxygen demand, total phosphorus, filtered reactive phosphate, filtered ammonia, total Kjeldahl nitrogen, filtered nitrite and nitrate forms of nitrogen; total, suspended and dissolved solids; levels of conductivity and turbidity; concentrations of chlorides, sulphates, unfiltered reactive silicates, acidity, alkalinity; units of pH; concentrations of total iron, phenols, hardness, calcium, magnesium; units of colour; concentrations of potassium, sodium, total organic carbon, chemical oxygen demand, solvent extractables, arsenic, mercury, aluminium, chromium, copper, lead, cadmium, zinc, manganese, nickel, fluoride, cyanide and cobalt.



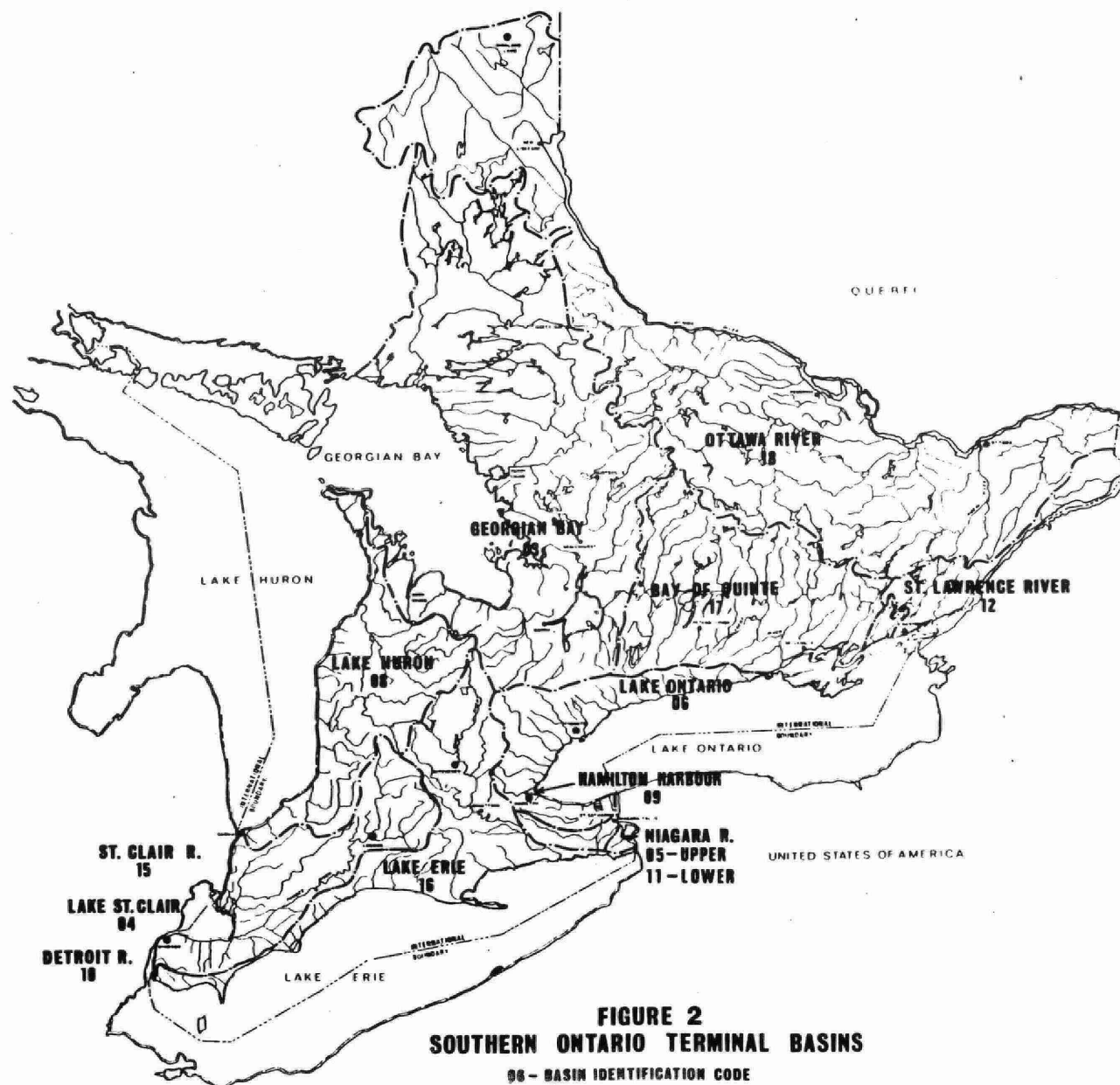
In addition, radiochemical analyses are conducted on selected samples and the results are expressed as levels of ionizing radiation (i.e. the number of nuclear disintegrations per second). Selected samples are analysed for some or all of the following radiochemical parameters: gross alpha, gross beta, radium-226, total uranium, cesium-137, cesium-134, cobalt-60, tritium and iodine 131.

Some samples are also analysed for some or all of the following synthetic organic parameters: concentrations of PCB, PCP and 2,4,5-T.

The water quality monitoring program commenced in July 1964 in Southern Ontario and currently consists of a total of 760 stations throughout Ontario. The following maps (figures 2 and 3) show the Southern and Northern Ontario Terminal Basins which are used to identify the sampling station locations. Definitions or brief descriptions are provided for the more common parameters of pollution under the section entitled Interpretation of Data.

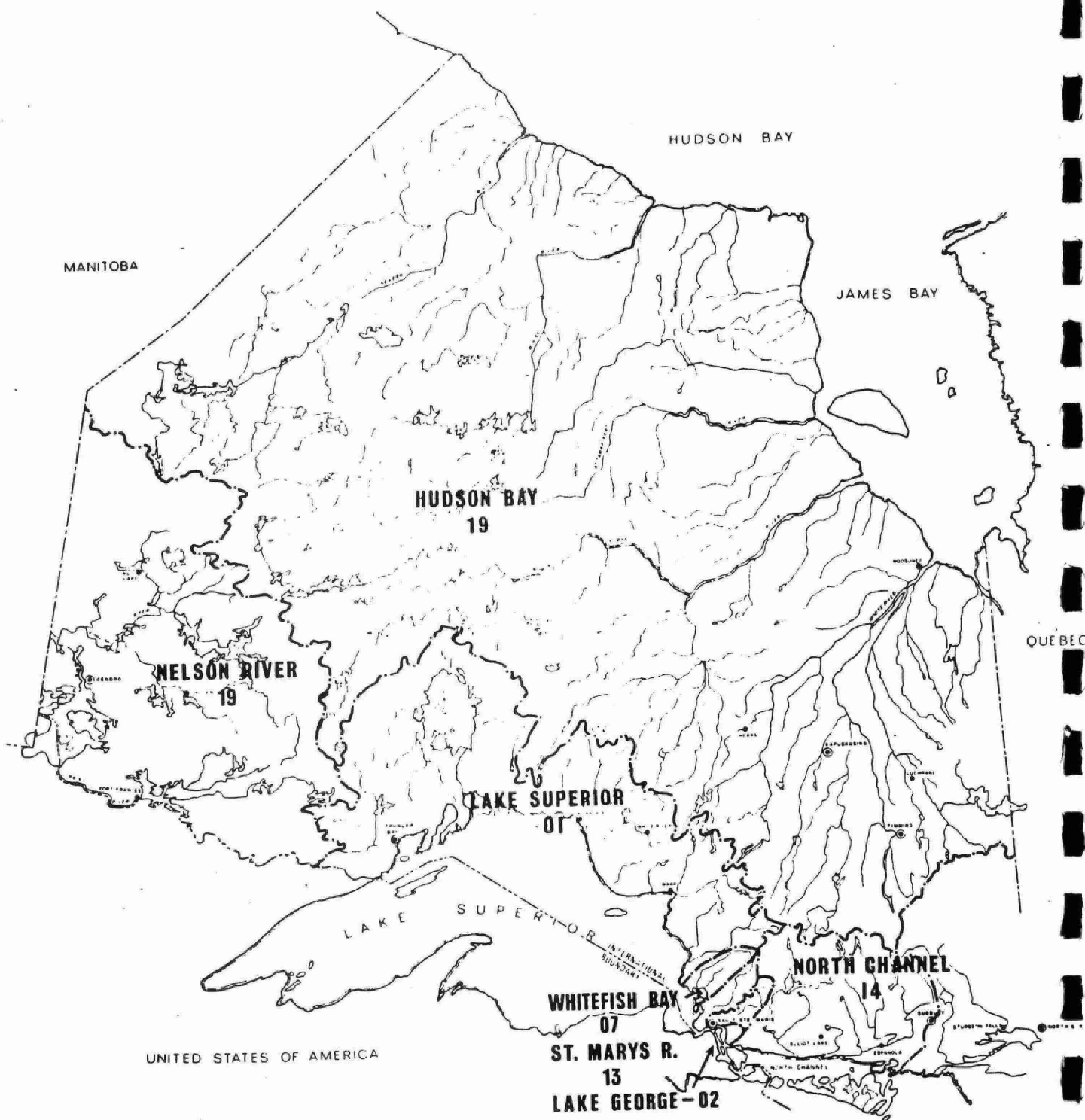
Other water quality monitoring programs such as the Fish Contaminant Monitoring Program which is co-ordinated by the Ontario Ministries of Natural Resources, Environment and Labour is not discussed in this publication. A summary of health implications of contaminants in fish with a listing of test results from each fish sampling location can be found in the Ministry publication, "Guide to Eating Ontario Sport Fish." Three separate publications in this series are updated periodically and each pertains exclusively to the areas of Northern Ontario, Southern Ontario and the Great Lakes.





**FIGURE 2**  
**SOUTHERN ONTARIO TERMINAL BASINS**

06 - BASIN IDENTIFICATION CODE



**FIGURE 3**  
**NORTHERN ONTARIO TERMINAL BASINS**  
 19 - BASIN IDENTIFICATION CODE

The streamflow station network in Ontario is not discussed in this publication. Whenever streamflow data exists at tributary locations which are coincident with the water quality monitoring station locations, mean daily discharges is reported along with the water quality data. The collection of hydrometric data in Ontario has been carried out under a Memorandum of Agreement between the Government of Canada and the Province of Ontario since April, 1975. The Province of Ontario is represented in the Agreement by the Ministry of the Environment, the Ministry of Natural Resources and Ontario Hydro. These agencies meet at regular intervals with the Water Survey of Canada to administer the Agreement. Streamflow data for Ontario are published annually as surface water data by the Federal Government.

#### NETWORK MAP SHEETS

Individual station locations are identified on specially prepared network maps. These network maps have been drawn to conform approximately to the boundaries of the Ministry's Regions, and are grouped according to Regions. Two index maps (Figures 4 and 5) illustrate individual map sheet coverages within the Province.

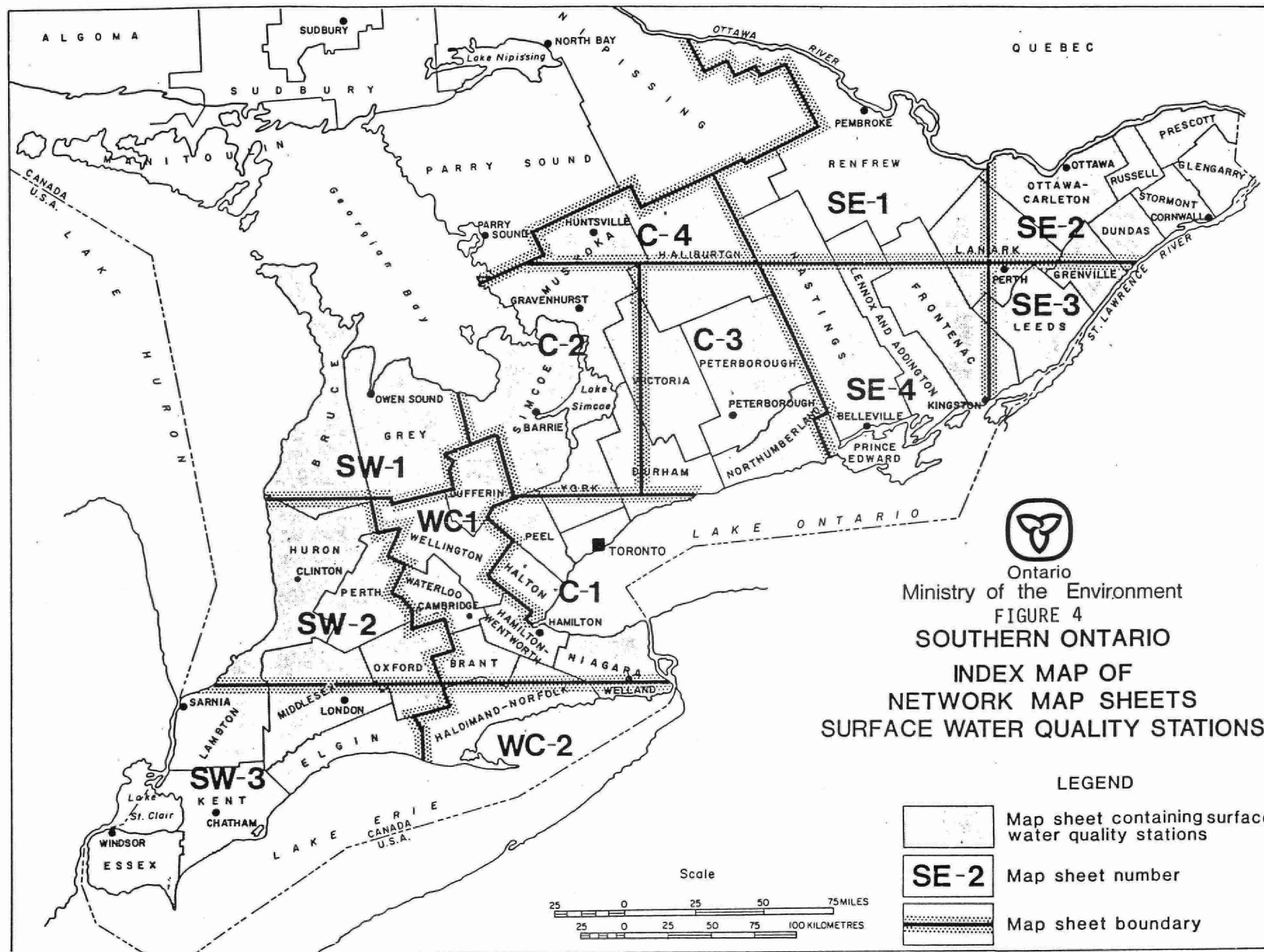
The following procedures was used in the preparation of the maps. Individual base maps within a Region were assembled using the National Topographic Series maps at a scale of 1:250,000. In northern Ontario, this was reduced to a scale of 1:500,000 in the Lake Superior and Nelson River basins, and to a scale of 1:2,000,000 in the Hudson Bay basin. For each base map, an overlay of the river systems was prepared, showing major watershed and Ministry of the Environment Regional boundaries. Numeric terminal basin and stream codes were added, and active water quality monitoring stations were located on each overlay and referenced with station numbers. The overlays were then reduced to approximately 40% of their original size for purposes of this publication.

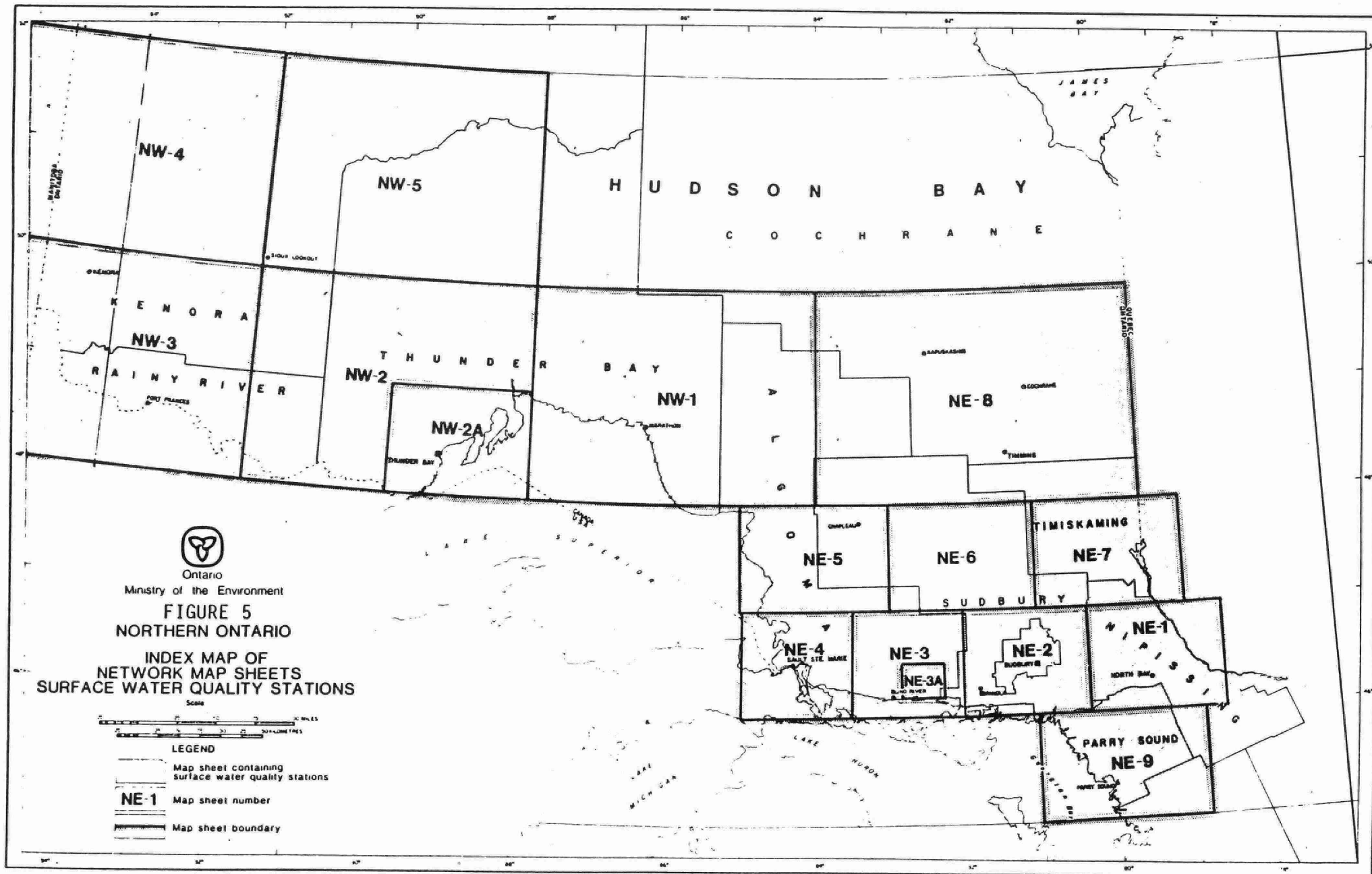
The previously-mentioned terminal basin and stream code, when combined in sequence with a given station number, form a unique station identifier which appears as the "Station ID". The "Station ID" is listed for all active monitoring stations in the "Sampling Station Directory", an alphabetical listing of terminal streams monitored in Ontario (see Appendices).

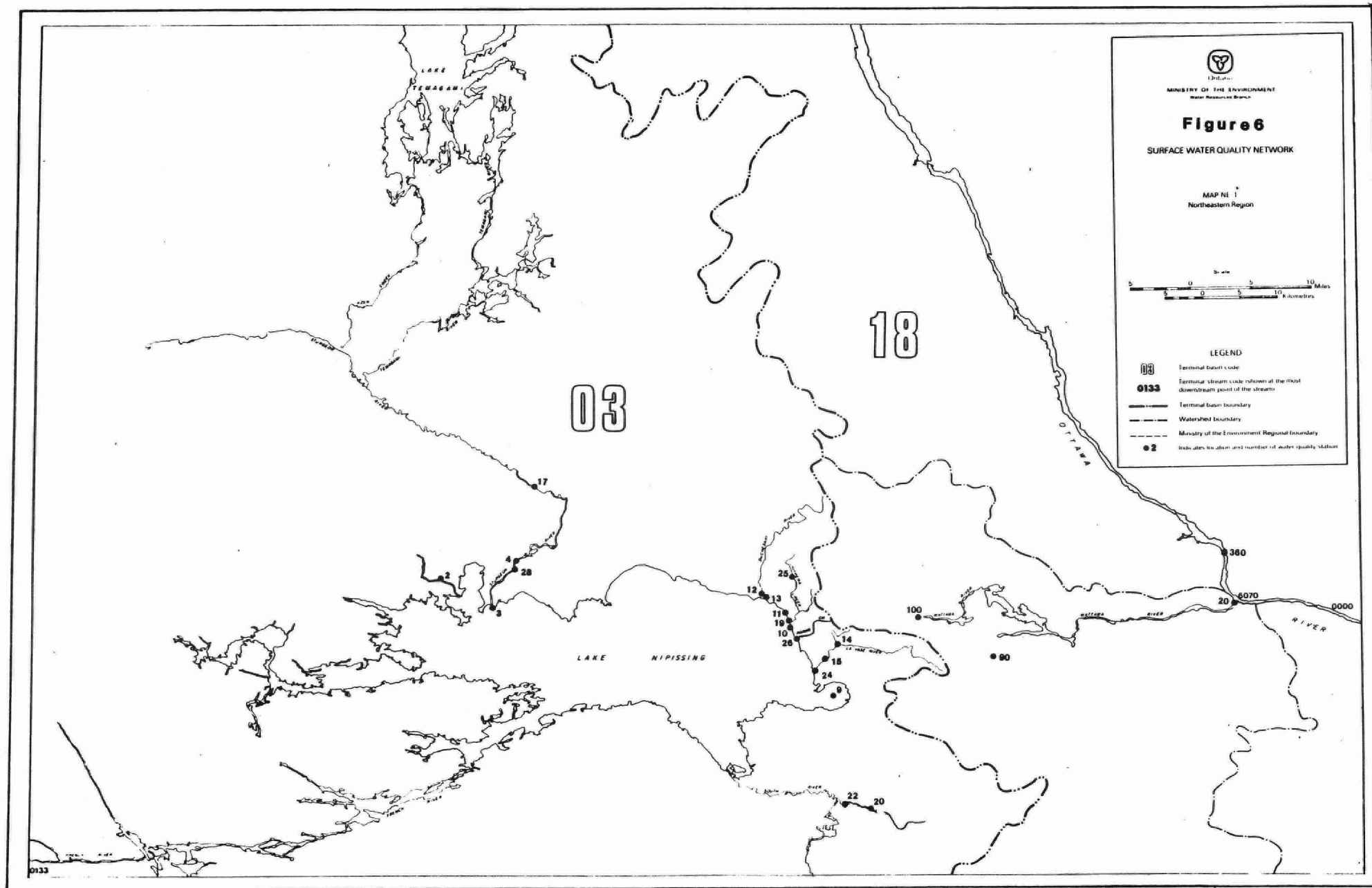
The location of stations in the Northeastern Region are shown in figures 6, 7, 8, 9, 10, 11, 12, 13 and 14. The locations of the other stations in the other regions and in other parts of Ontario such as those located on the Great Lakes or those operated by the Water Quality Branch, Ontario Region, Environment Canada, are not included.

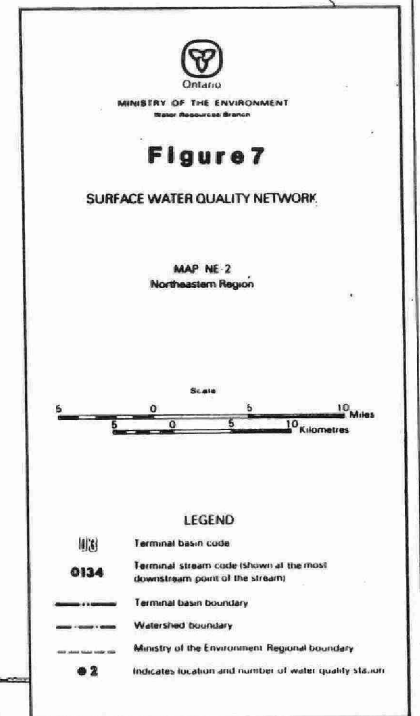
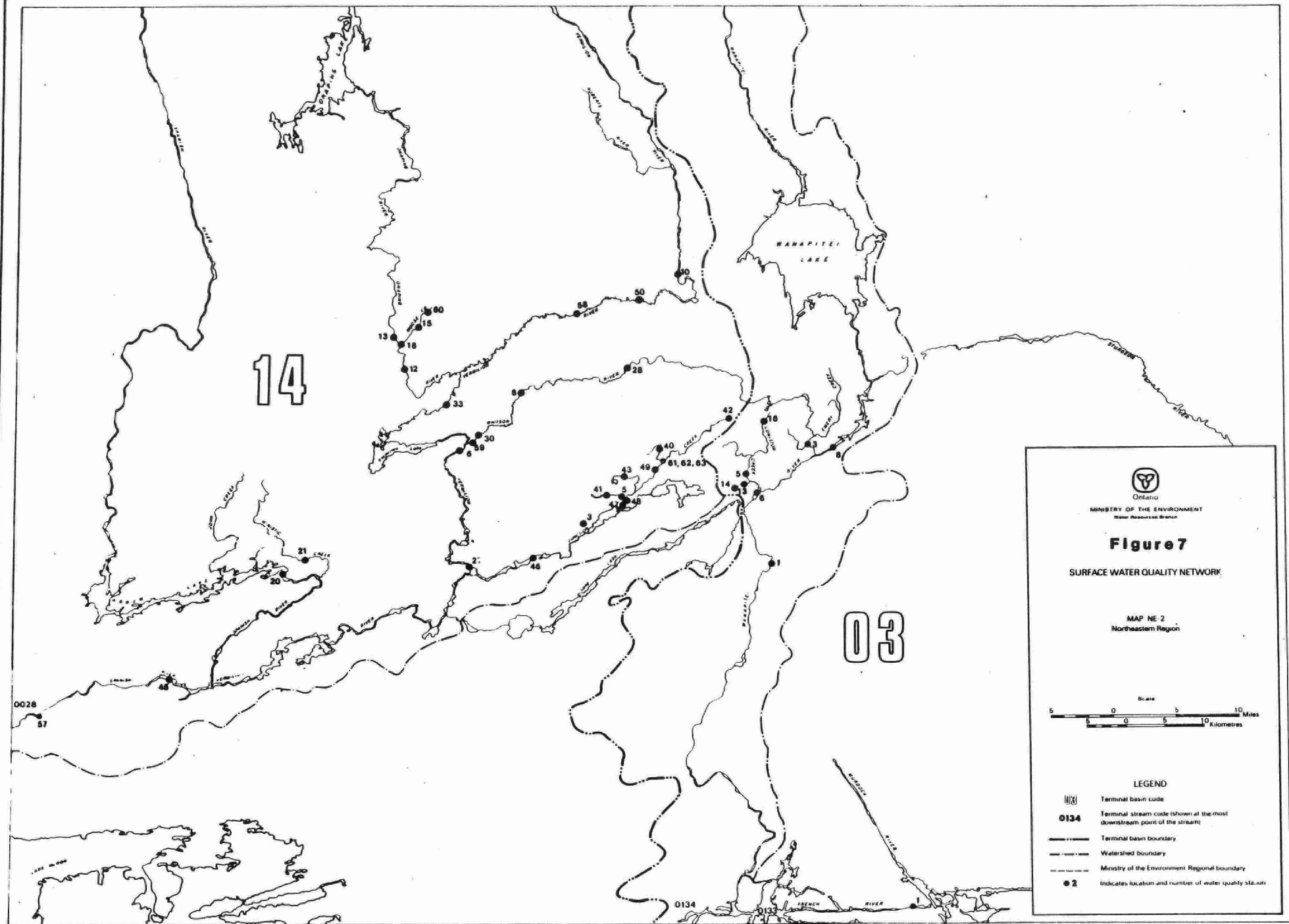
#### INTERPRETATION OF DATA

The definition of the parameters measured in the Provincial Water Quality Monitoring Program are listed in the following pages. The significance of each measurement in regard to specific water uses can be determined by referring to the booklet "Water Management, Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment, November, 1978". (Revised, May 1984)













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### Figure 8

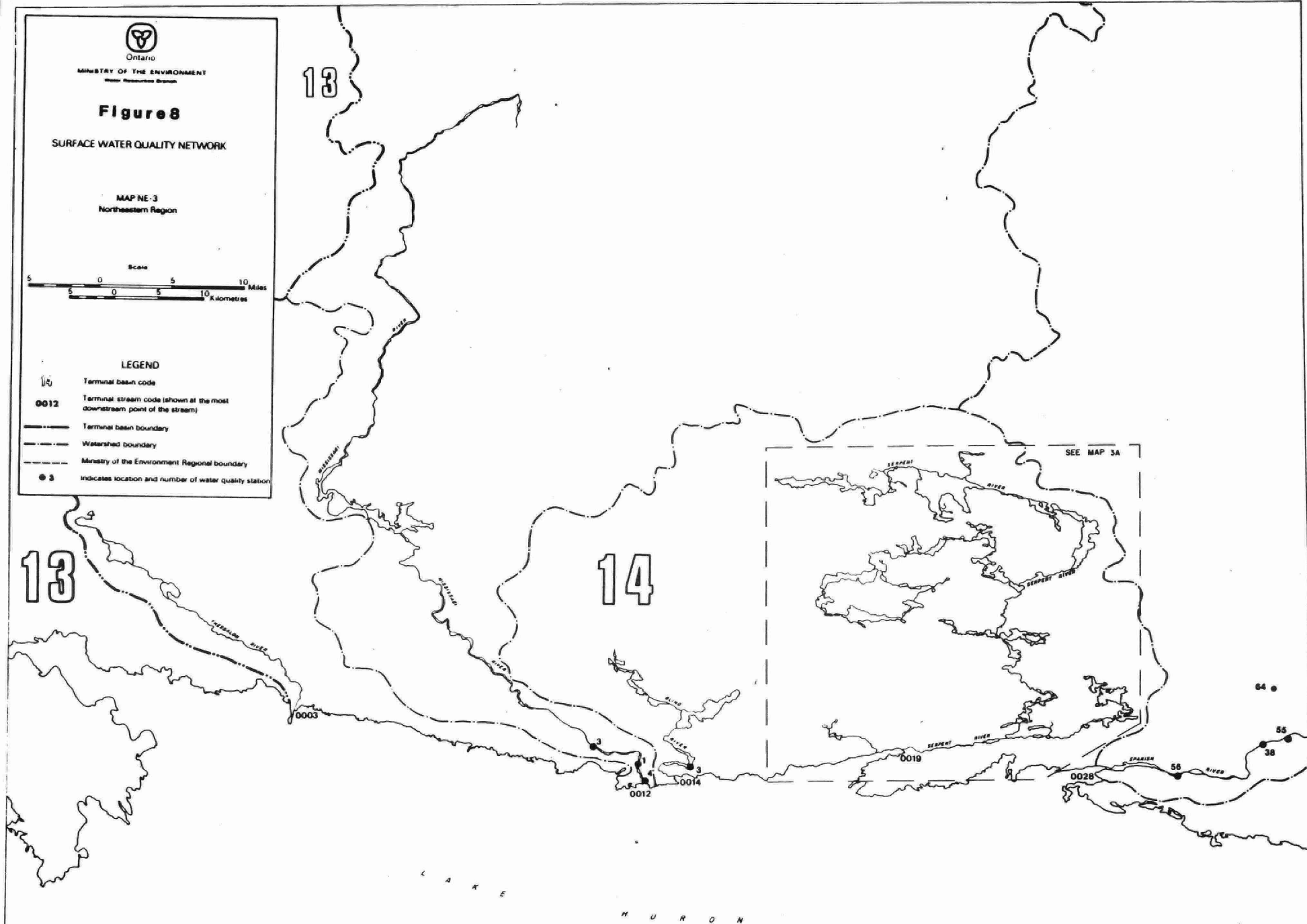
SURFACE WATER QUALITY NETWORK

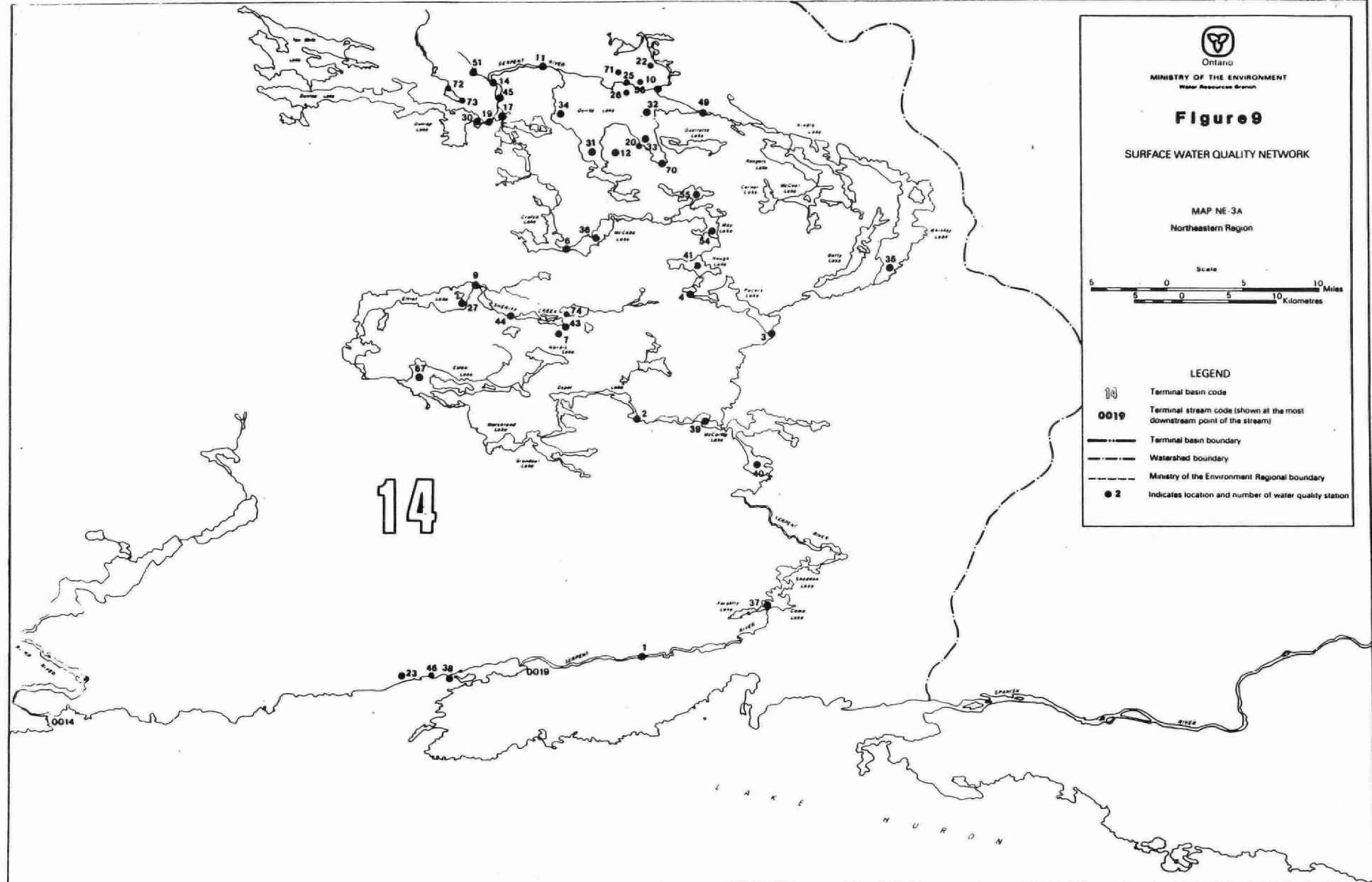
MAP NE-3  
Northeastern Region

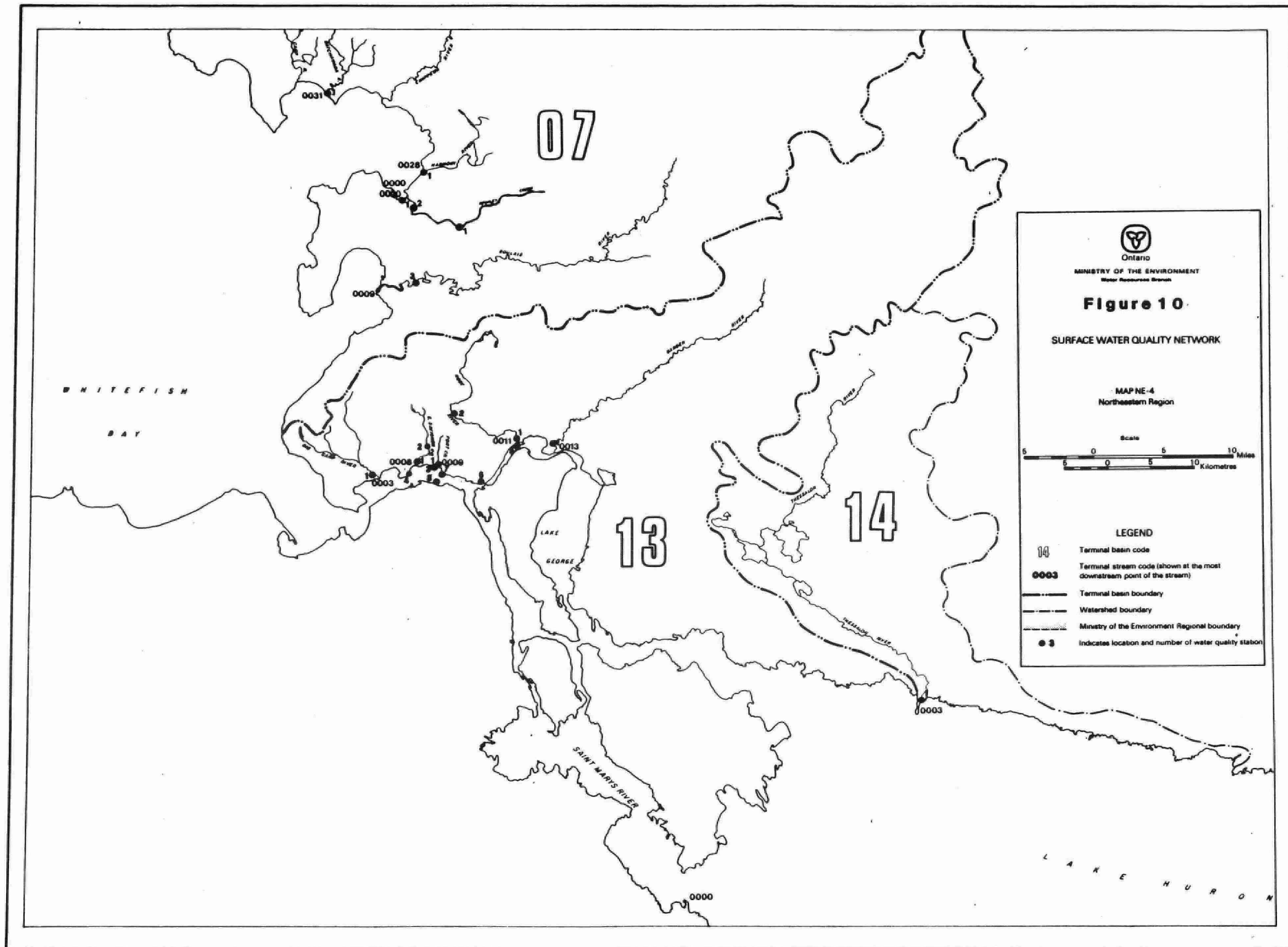


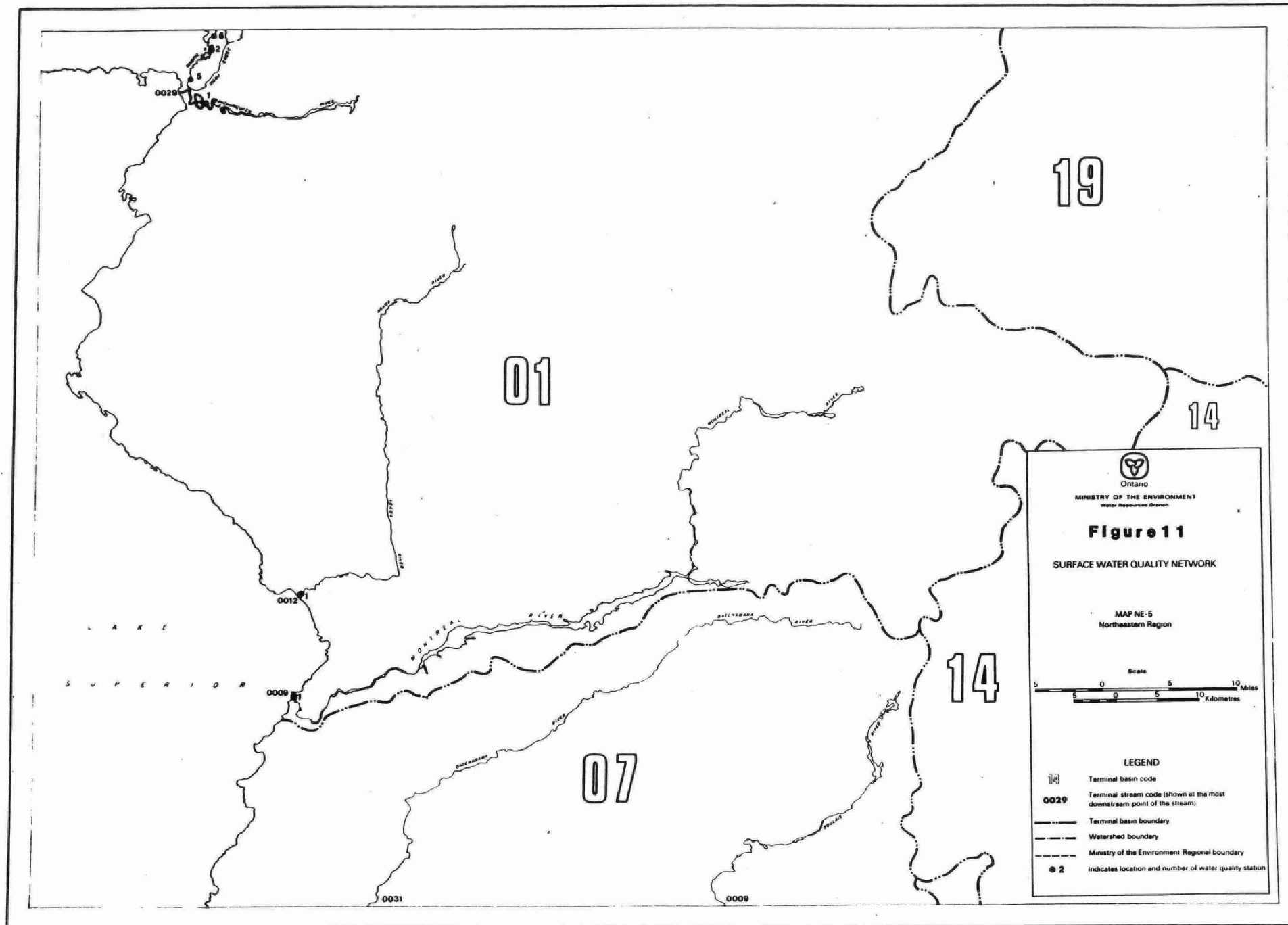
#### LEGEND

- 13 Terminal basin code
- 0012 Terminal stream code (shown at the most downstream point of the stream)
- Terminal basin boundary
- Watershed boundary
- Ministry of the Environment Regional boundary
- 3 Indicates location and number of water quality station









19

01

14

14

07



MINISTRY OF THE ENVIRONMENT  
Water Resources Branch

**Figure 11**

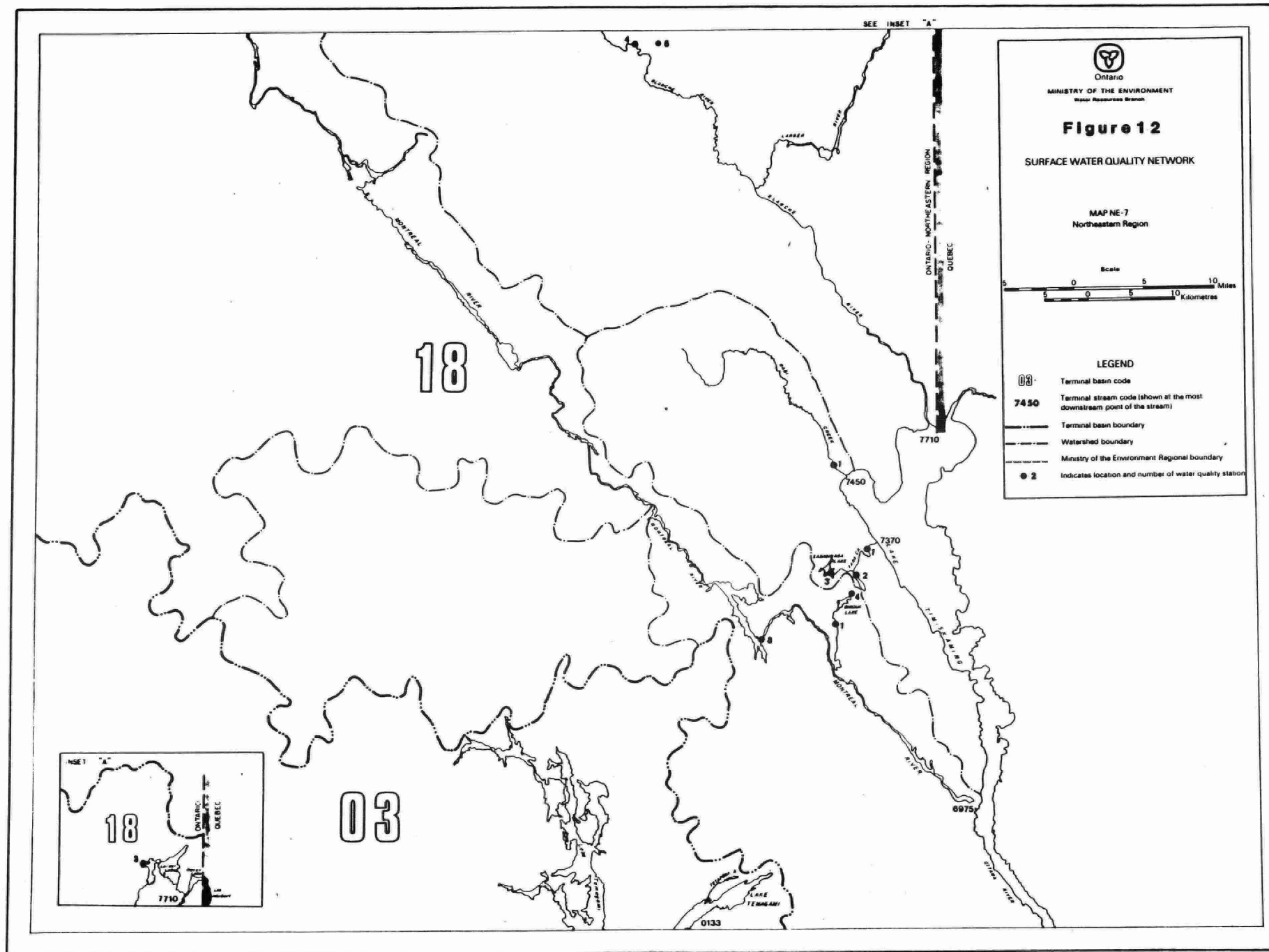
SURFACE WATER QUALITY NETWORK

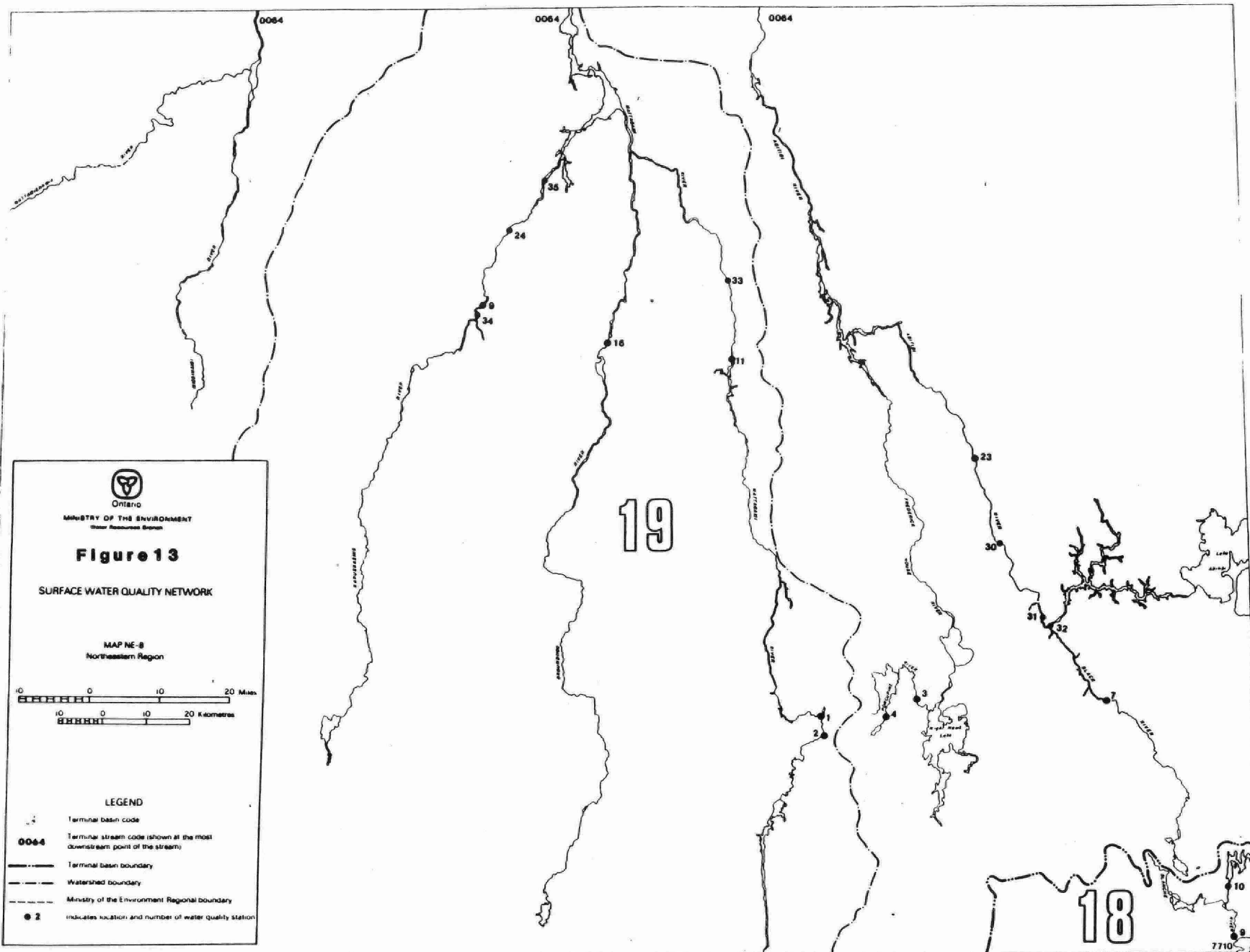
MAP NE-5  
Northeastern Region

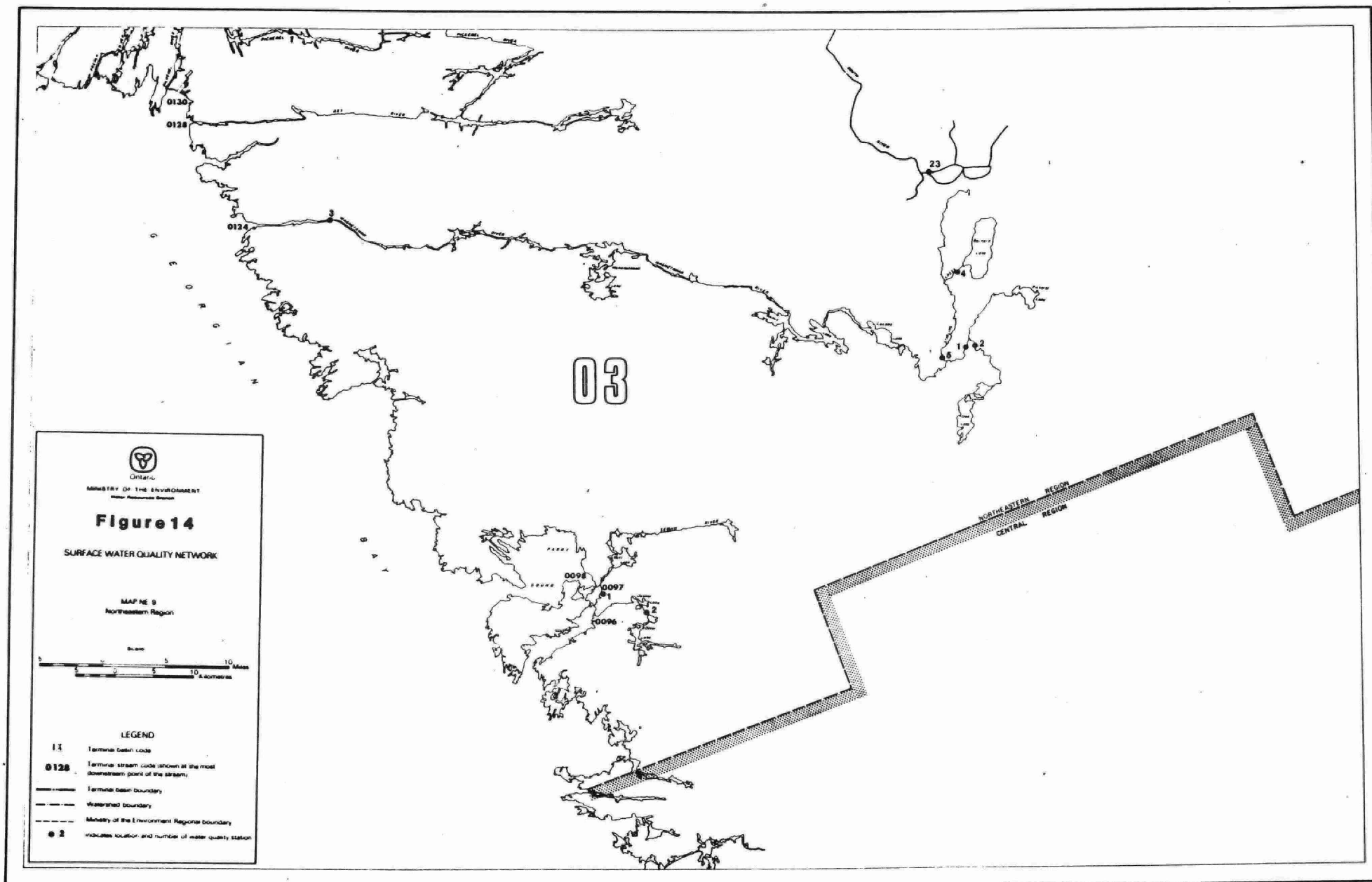


**LEGEND**

- 14 Terminal basin code
- 0029 Terminal stream code (shown at the most downstream point of the stream)
- Terminal basin boundary
- - - Watershed boundary
- ... Ministry of the Environment Regional boundary
- 2 Indicates location and number of water quality station







## A. ANALYSES AND MEASUREMENTS CONDUCTED AT THE SAMPLING SITE

### Stream Condition

The physical condition of the body of water is described from an on-site examination at the time of sampling and is represented by a one-digit number from one to zero as follows:

1. Stream dry
2. Frozen to stream bed
3. Stream in flood condition
4. Sampled through ice
5. Suspended algae
6. No apparent algae
7. Profuse weed growth
8. Normal
9. Oil scum or floating matter
0. Objectionable odours

Under some circumstances a combination of up to three of the above conditions may be shown for a given sample at an individual station.

### Streamflow

Streamflow information at or near a water quality monitoring site is an important factor when interpreting and employing water quality data. The product of streamflow and concentration defines the mass of material passing a point. Streamflow is also a useful reference when comparing water quality data for different periods of the year (e.g. spring flood vs summer drought).

Flows in many of the streams sampled are measured by the Water Survey of Canada, Inland Waters Directorate, Environment Canada. In a number of other studies, stream samplings are carried out by the Ontario Ministry of the Environment.



## Temperature

Water temperature is an important factor when a number of water quality parameters are being evaluated. Temperature directly affects the solubility of gases (e.g. dissolved oxygen) and significantly affects biological and chemical reaction rates.

Temperature is measured at the sampling site with an electronic thermistor or a mercury thermometer.

## Dissolved Oxygen

Dissolved oxygen in water originates directly from the atmosphere or through photosynthesis in aquatic plants. Ample dissolved oxygen is necessary to maintain satisfactory conditions for fish and other biological life in water. Organic wastes and some inorganic materials exert, upon decomposition, an oxygen demand which may deplete the dissolved oxygen below levels required by aquatic life.

Dissolved oxygen is measured at the sampling site with an electronic meter or by a chemical titration.

## B. ANALYSES AND MEASUREMENTS CONDUCTED AT THE LABORATORY

### 1. MICROBIOLOGICAL ANALYSES

#### Total Coliform

The Membrane Filter (MF) technique is used to obtain an approximation of the concentration of total coliform organisms. These organisms are normal inhabitants of soils and the intestines of man and other warm-blooded animals. They are always present in large numbers in sewage and fecal matter, and are often found in watercourses adjacent to industrial, agricultural and other pollution sources.

Results are reported as MF count per 100 ml of sample.

### Background Count

The background count estimates the number of organisms, other than coliforms, that occur in the total coliform analysis of a sample. The results are used in the interpretation of total coliform counts. High background counts are generally indicative of poor water quality.

### Fecal Coliform and Fecal Streptococcus (Enterococcus) Organisms

Fecal coliform and Enterococcus organisms are generally found in the alimentary tract of warm-blooded animals. They are indicative of sanitary waste intrusion and/or fecal contamination from warm-blooded animals.

### Pseudomonas aeruginosa

Pseudomonas aeruginosa, are pathogens found in sewage, that can be readily isolated. These organisms are sometimes found in bathing waters and are the major pathological agent in otitis externa (ear aches) and other skin infections.

### Escherichia Coliform (E. COLI)

E. Coli is the predominant, facilitative bacterial species in the large bowel and is thus the coliform most directly related to fecal pollution. E. coli is occasionally pathogenic to man (e.g. urinary tract infections) but is primarily an indicator organism in water bacteriology.

## 2. CHEMICAL AND PHYSICAL ANALYSES

### Biochemical Oxygen Demand (BOD)

In itself, BOD is not a pollutant and presents no direct harm to the aquatic environment. It is, however, a measure of the unstable organic matter present in water which, through aerobic decomposition, oxidizes to a stable inorganic form utilizing the oxygen resources of a watercourse. The level of BOD is an important parameter in assessing the potential concentrations of dissolved oxygen in water.

Five-day biochemical oxygen demand ( $BOD_5$ ) is a laboratory measurement of the amount of oxygen consumed in a sample incubated for five days at 20°C.

### Total Phosphorus

Phosphorus is a primary nutrient for plant and animal life and like nitrogen passes through cycles of decomposition and photosynthesis. This element is commonly found in nature in the form of inorganic phosphates and organically bound phosphorus. Total phosphorus includes orthophosphate, condensed phosphates and organically bound phosphorus in both the dissolved and particulate form. Untreated or treated sewage, some industrial wastes and agricultural and urban drainage contain significant concentrations of phosphorus.

Although there is no firm criterion for phosphorus, it is generally considered that to eliminate excessive plant growths in rivers and streams, total phosphorus should not exceed 0.03 mg/l. To avoid nuisance concentrations of algae in lakes, average total phosphorus concentrations for the ice free period should not exceed 0.02 mg/l.

### Filtered Reactive Phosphate

Filtered reactive phosphate is that phosphorus which passes through a 1-2 micrometre filter and responds to a colorimetric orthophosphate determination. It is a combination of simple orthophosphate and readily hydrolized phosphate primarily in the dissolved form.

Filtered reactive phosphate is generally considered to be readily available for aquatic plant growth.

### Filtered Ammonia Nitrogen

Filtered ammonia nitrogen (ammonia  $\text{NH}_3^+$  and ammonium  $\text{NH}_4^+$ ) is the soluble product in the anaerobic decomposition of nitrogenous organic matter. It is also formed when nitrites and nitrates are reduced either biologically or chemically. Small amounts of ammonia nitrogen may be taken out of the atmosphere by rain water.

River which are considered unpolluted generally have filtered ammonia levels of less than 0.1 mg/L.

### Total Kjeldahl Nitrogen

Total Kjeldahl nitrogen is a measure of the total nitrogenous matter present, excluding nitrate and nitrite. The total Kjeldahl nitrogen concentration, less the ammonia nitrogen concentration, gives a measure of the organic nitrogen present.

Ammonia and organic nitrogen are important in assessing the availability of nitrogen for biochemical utilization. In unpolluted rivers, the normal range for total Kjeldahl nitrogen is 0.1 to 0.5 mg/L.

### Filtered Nitrite

Nitrite is an intermediate oxidation product of ammonia and also an intermediate form in the denitrification process from nitrate to nitrogen gas. The significance of nitrites, therefore, varies with their amount, source and relation to other constituents of samples (notably the relative magnitude of ammonia and nitrate present).

Since nitrite is rapidly and easily converted to nitrate, its presence in concentrations greater than a few micrograms per litre is generally indicative of active biological processes in the water.

### Filtered Nitrate

Nitrate is the end product of the stabilization of organic nitrogen which occurs primarily through aerobic biochemical processes.

Nitrate is usually found in polluted waters that have undergone some degree of self-purification. Nitrates can also occur in watercourses intercepting drainage from fertilized agricultural areas.

Nitrogen in the form of nitrate is readily utilized by aquatic plants and algae. In unpolluted rivers, the nitrate nitrogen concentration is generally less than 0.5 mg/L.

### Inorganic Nitrogen

Inorganic nitrogen is a calculated value and represents the sum of the concentrations of filtered ammonia nitrogen and filtered (nitrate plus nitrite) nitrogen.

### Organic Nitrogen

Organic nitrogen is a calculated value and represents the difference between the concentrations of total Kjeldahl nitrogen and filtered ammonia nitrogen.

### Total Nitrogen

Total nitrogen is a calculated value and represents the sum of the concentrations of total Kjeldahl nitrogen and filtered (nitrate plus nitrite) nitrogen. Nitrogen is a common constituent of decomposition products, treated sewage, fertilizers and industrial discharges. Nitrogen compounds are present in most plant and animal materials.

### Solids

Total, suspended and dissolved solids are presented as separate parameters in this report. The solids analyses are gross measurements of the amounts of particulate matter and dissolved materials found in water. Solids enter the watercourse from virtually every source, the most familiar being sewage treatment plant effluents, municipal storm drainage, industrial discharges and erosion.

Solids significantly affect water uses. Highly turbid water is undesirable for municipal and industrial supply, fish and aquatic life, recreation and aesthetics. Suspended solids can also transport significant quantities of organic and inorganic trace contaminants.

### Conductivity

The conductivity test provides a measure of the electrolytic properties of water. The presence of dissolved ions (in solution) such as chlorides, sulphates and calcium, renders water conductive. Conductance, the reciprocal of resistance, is recorded in the unit mho and in order to avoid inconvenient decimals, data are reported in micromhos per cubic centimetre. In many waters there is a direct linear relationship between dissolved solids concentrations and conductivity.

Conductivity serves as a control parameter and is an excellent indicator of water-quality changes since it is relatively sensitive to variations in dissolved-solids concentrations.

#### Turbidity

The turbidity of water is attributable to suspended and colloidal matter such as micro-organisms, detritus, clay and other mineral substances which reduce clarity and diminish the penetration of light.

Turbidity is undesirable in surface waters used for domestic and industrial supply and for recreation. Often some of the suspended matter has to be removed to prevent interference with disinfection processes and abrasion to equipment. By interfering with the penetration of light, turbidity can seriously affect aquatic biological communities.

#### Chlorides

Chlorides are found in practically all natural waters. They may be of natural mineral origin but in general the largest contributions can be traced to domestic sewage discharge, municipal storm drainage, road salting, and industrial wastes.

While not harmful to health in moderate quantities, high concentrations of chlorides make water unfit for municipal and industrial supplies and livestock watering. In addition to imparting an objectionable taste to water, high chloride levels are responsible for increased corrosiveness of water. Furthermore, chloride, being toxic to many plants, may render water undesirable for irrigation.

### Sulphate

Sulphates may occur naturally in waters and may be contained in industrial wastes. They are produced from the final oxidation stage of sulphides, sulphites and thiosulphates. Sulphates, under anaerobic conditions, can be reduced to hydrogen sulphide which is malodorous (the odour of rotten eggs) and highly corrosive.

High concentrations (between 150 and 500 mg/l) in drinking water may be cathartic to humans.

### Sulphide

Sulphide is formed by bacterial reduction of sulphate and organic sulphur compounds under anaerobic conditions. It is therefore, commonly found in domestic wastewater, industrial wastewater, sludges, hypolimnions of stratified lakes and any other aquatic systems where anaerobic conditions prevail. As a result, concentrations in surface waters are negligible.

Sulphide is an important parameter in waste treatment monitoring. Oxidation of sulphide to sulphuric acid in concrete sewer pipes leads to "crown corrosion". Soluble sulphides in excess of 200 mg/L are toxic to bacteria and will inhibit sludge digestion.

### Unfiltered Reactive Silicate

Silicon occurs in sand or quartz as silica and as silicates in feldspar, kaolinite and other minerals. Silicon dioxide, or silica, is insoluble in waters or acids, except hydrofluoric acid, but it may occur in natural waters as finely divided or colloidal suspended matter. Silica is widely employed in industry for making glass, silicates, ceramics, abrasives, enamels, petroleum products, etc.



In concentrations found in natural and treated waters, silica or silicates have no adverse physiological effects. Silicates are essential to the growth of many aquatic organisms.

The data which appear under the heading "Reactive Silicate" should properly be referred to as "Unfiltered Reactive Silicate" and are reported as Silicon (Si). Data in this series of publications prior to 1975 were reported as Silica (SiO<sub>2</sub>).

#### Acidity

Acidity in surface or ground waters may be attributable to natural causes, such as humic acids extracted from swamps or peat beds, or industrial wastes such as pickling liquors, effluent from the manufacture of explosives, acid mine drainage or sulphite waste liquors. It may also be affected by atmospheric inputs.

Acidity is best interpreted in conjunction with the pH and alkalinity, as well as any other analyses which identify the acidic components of water.

#### Filtered Alkalinity

Alkalinity is a measure of a water's capacity to neutralize an acid. The alkalinity of natural waters is caused by three major classes of materials which may be ranked in order of their effect on pH as follows:

1. Hydroxides (rarely present in Ontario)
2. Carbonates
3. Bicarbonates and other salts of weak acids

The alkalinity of water has little sanitary significance but is of importance in water and waste treatment practices. Waters with high alkalinity are undesirable because of their associated excessive hardness.

## pH

The symbol pH is used to designate the logarithm (base 10) of the reciprocal of the hydrogen-ion concentration. It is an index of the acidity or alkalinity of the solution. The practical pH range extends from 0, very acidic, to 14, very alkaline, with the middle value of pH 7 corresponding to exact neutrality at 25°C.

The pH is important in determining the treatment of water supplies.

## Total Iron

Iron is one of the most abundant elements in the earth's crust and it is a constituent of many industrial wastes.

When sufficient iron is added to water in the form of salts (chlorides, nitrates, sulphates), ferrous to ferric precipitates (iron hydroxides) tend to form, causing low pH values which are toxic to aquatic life. Iron in water may also result in the growth of iron bacteria causing unpalatable tastes, discolouration of cloths and plumbing fixtures, and the formation of scales in water mains.

## Phenols

The phenolic compounds, collectively referred to as phenols, are those hydroxyl derivatives of benzene or its condensed nuclei, which are determined by the 4-amino antipyrine method. The results are reported from many industrial processes and may also be released from aquatic plants and decaying vegetation.

Depending on the concentration, the presence of phenolic compounds may be toxic to fish, and may taint the flesh of fish. Phenols in very minute concentrations will combine with chlorine to produce tastes and odours which are usually described as medicinal or chemical.

## Hardness

Water hardness relates to a water's capability to produce lather from soap. The higher the hardness, the less lather will be formed. Hardness in water is caused by dissolved divalent metal ions, calcium and magnesium being the most common. Natural hardness occurs most frequently in limestone areas. The limestone is dissolved by contact with ground and surface water and releases calcium ions and traces of contaminant metals.

Hard water, though not considered a health hazard, is undesirable for industrial and domestic water supplies because it has a number of detrimental effects, the most common being the formation of scale in boilers, pipes and water heaters; excessive soap consumption in home and commercial laundering; and adverse affects in textile, plating and canning industries.

Results appear under either the heading "Hardness" and "Calculated Hardness", depending on the analytical procedure. The former results are obtained through titration with ethylenedi-aminetetra-acetic acid (EDTA), the latter by calculation from magnesium (Mg) and calcium (Ca) results determined by Atomic Absorption Spectrophotometry (AAS).

## Calcium

Calcium is relatively abundant in the earth's crust and readily soluble in water so that calcium salts and calcium ions are among the most commonly encountered substances in water. They may result from the leaching of soil and may be contained in sewage and industrial wastes.

Excessive calcium and magnesium in drinking water have been implicated as factors predisposing to the formation of concretions in the body, such as kidney, or bladder stones. On the other hand, there is also evidence of adverse physiological effects from an insufficiency of calcium in water. The calcium ion is a major contributor to hardness and is often responsible for boiler scale

deposits on cooking utensils and excessive soap requirements in washing and laundering. Where water is used for irrigation, calcium is beneficial to plant growth.

### Magnesium

Magnesium is an abundant element and a common constituent of natural waters. Magnesium ranks with calcium as a major cause of hardness. The effects of magnesium of water used for consumption and irrigation are generally the same as those of calcium. Magnesium is considered relatively non-toxic to man and not a public health hazard because before toxic concentrations are reached in water, the taste becomes quite unpleasant.

### Colour

Colour in water may be of natural mineral or vegetable origin caused by metallic substances such as iron and manganese compounds, humus material, peat, tannins, algae, weeds, and protozoa. Waters may also be coloured by inorganic or organic soluble wastes from industries, such as steelworks, mining, refining, pulp and paper, chemicals, and others. Returned irrigation water also contributes to colour.

Colour from natural origin is not considered harmful from a health standpoint. However, in domestic water, colour is undesirable from aesthetic considerations.

### Potassium

Potassium occurs in many minerals and potassium salts exist in natural waters as a result of contact with potassium-bearing soils and the introduction of certain industrial wastes. The common salts of potassium are highly soluble in water. They resist separation from water by natural processes other than evaporation.

In limited concentrations, potassium is an essential nutrient. Excessive amounts of certain potassium salts in drinking water have detrimental effects on human digestive and nervous systems.

#### Sodium

Sodium salts are common to all natural waters and may be present in high concentrations in wash waters softened by exchanging calcium and magnesium ions for sodium. Sodium is also found in many industrial process effluents, domestic wastes and salts used in road de-icing.

The presence of sodium salts in drinking water may present a health hazard to a person with circulatory, renal and cardiac problems and may cause digestive problems in animals and otherwise healthy human beings. Concentration of salts such as sodium chloride impact objectionable tastes and may render water unpalatable.

#### Total Organic Carbon (TOC)

Total organic carbon (TOC), the most significant carbon measurement from a water-quality assessment viewpoint, is the arithmetic difference between total carbon (TC) and total inorganic carbon (TIC).

Total organic carbon usually has a direct relationship with Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) values, but the relationship varies with the composition of the organic material present. The carbon tests are rapid and suitable for the evaluation of organic pollution levels, assessment of waste treatment efficiencies and to a limited extent, the potential demand of a waste discharge on the oxygen resources of a water body.

### Dissolved Organic Carbon (DOC)

The organic content of lakes and rivers depends primarily on the products of plants and animals which those water bodies support. Most of the organic carbon in water is composed of humic substances and partly degraded plant and animal materials, some of which is resistant to microbial degradation. Runoff from agricultural land and industrial discharge from industries such as pulp and paper will add organic carbon to the water. The degradation of large amounts of organic matter causes depletion of the dissolved oxygen concentration and hence, organic carbon is also measured on sewage and industrial waste samples. In natural waters, the organic carbon content will usually be less than 30 mg/L.

### Chemical Oxygen Demand (COD)

The chemical oxygen demand is used in measuring the strength of sewage and industrial wastes. The major advantage of this test is that laboratory results can be obtained in about three hours compared to five days for the five-day biochemical oxygen demand test. The chief limitation of the COD analysis is its inability to differentiate between biologically oxidizable and biologically inert organic matter. The COD almost always exceeds the biochemical oxygen demand.

### Solvent Extractables

The solvent extractable test measures the total quantity of substances present in a water sample that is readily soluble in an appropriate organic solvent. Such substances include fatty acids, petroleum products, oils, greases and resins. They are generally found in effluents of oil refineries, meat packing plants, slaughter houses, dairies, canneries, and a variety of other industries.

Solvent soluble materials greatly increase the oxygen depletion rate in receiving waters and will hinder oxygen exchange with the atmosphere by forming slicks.

## Arsenic

Arsenic may occur, naturally, to a small extent, mostly as sulphides and as arsenides of metals. Elemental arsenic is insoluble in water but many of the arsenates are highly soluble. Highest levels of arsenic in Ontario are found in watercourses downstream of wastewater discharges from metal smelting operations.

Arsenic is very toxic to humans and the trivalent forms are largely retained in the body tissues. Low concentrations of arsenic stimulate plant growth but higher concentrations destroy chlorophyll in the foliage.

## Mercury

Mercury may occur naturally as a free metal or as mercuric salts, the most common being cinnabar,  $\text{HgS}$ . Both elemental mercury and  $\text{HgS}$  are insoluble in water and are not likely to occur as water pollutants. Many synthetic organic salts of mercury are used commercially and these salts are highly soluble in water.

Mercury is cumulative and toxic to humans and can be concentrated and transferred up the food chain to a point where commercial and game fish may become unsuitable for human consumption. Micro-organisms can methylate inorganic mercury under both aerobic and anaerobic conditions to produce a more toxic substance.

## Aluminium

Aluminium occurs in many rocks and ores but never as a pure metal in nature. In streams, the presence of aluminium ions may result from industrial wastes or more likely from wash water from water treatment plants.

Aluminium in a public water supply is not considered a public health problem, since no evidence has been found to prove that aluminium in water supplies is harmful to human beings.

## Chromium

Few waters contain chromium from natural sources since chromium is generally present in rocks and soils as insoluble chromic oxide which is strongly sorbed to particulate matter. Chromate or dichromate salts are used extensively in metal pickling and plating operations, in anodizing aluminium, in the leather industry as a tanning agent, and in the manufacture of paints, dyes, explosives, ceramics, paper and many other substances. Chromic or chromite salts on the other hand, are used much less extensively being employed as mordants in textile dyeing, in the ceramic and glass industry and in photography. Chromium compounds may be present in wastes from many of the foregoing industries or may be discharged in chromium-treated cooling waters where the chromium is used as a corrosion inhibitor.

There is no evidence that chromium salts are essential or beneficial to human nutrition. Salts of trivalent chromium are not considered to be physiologically harmful; however, large doses of chromates lead to corrosive effects in the intestinal tract and to nephritis. Both the chromic and chromate ions are toxic to plants and interfere with the uptake of essential elements.

## Copper

Copper salts occur in natural surface waters in trace concentrations and may occur in industrial waste discharges. Copper is used as an algicide for the control of undesirable algae growth and in the treatment of soils as a fungicide and a pesticide.

Copper compounds are toxic to plants and aquatic life. Prolonged ingestion may cause liver damage in man.



## Lead

Some natural waters contain lead in solution. Lead may be introduced into water as a constituent of various wastes including industrial and mining effluents, lead plumbing and automobile exhaust. Certain lead salts, such as acetate and chloride, are readily soluble. However, lead which occurs in the carbonate, hydroxide and sulphate forms is sparingly soluble and will not remain long in natural waters.

Lead is a cumulative poison that tends to be deposited in the bone. The intake that can be regarded as safe cannot be stated definitely because the sensitivity of individuals to lead differs considerably. Studies on fish indicate that in water containing lead salts, a film of coagulated mucus forms over the gills and then the entire body, probably as a result of a reaction between lead and an organic constituent of mucus. The fish then die of suffocation. The toxic effects of lead on fish decreases with increasing hardness and dissolved oxygen.

## Total Cadmium

In the elemental form, cadmium is insoluble in water. It occurs in nature largely as a sulphide salt, greenockite or as a cadmium blend and often as an impurity in zinc-lead ores.

Cadmium salts are cumulative and highly toxic to man having been implicated in some cases of food poisoning. Consumption of cadmium salts causes cramps, nausea, vomiting, and diarrhea. Cadmium affects reproduction in fish and zooplankton; however, the toxic effects vary with species and time of exposure.

## Total Zinc

Generally, zinc occurs only in trace amounts in surface waters. The zinc ion is believed to adsorb strongly and permanently on particulate matter (e.g. silt) which settles out of suspension.

Zinc has no known adverse physiological effects upon man except at very high concentrations. At such concentrations, zinc gives water a milky appearance and causes a greasy film on boiling, thus making it unattractive for domestic water supply. Zinc is toxic to aquatic organisms and its toxicity decreases with increasing hardness.

#### Manganese

Manganese is similar to iron in that it is found in many industrial wastes and occurs in soils as manganic and manganous compounds. Under anaerobic conditions the manganic ion is reduced to soluble nitrate, sulfate, and chloride salts of manganese and is leached, along with iron, into ground and surface waters. Its presence like iron, may indicate domestic or industrial pollution.

Water with high manganese content is undesirable for its taste, colour and tendency to form deposits on cooking utensils.

#### Total Nickel

Nickel in ores and minerals is insoluble but as a salt (nickel ammonium sulphate, nickel nitrate, nickel chloride) is highly soluble. Electroplating wastes may contain substantial amounts of nickel salts.

Nickel and its salts have generally proven to be non-toxic to man even at very high levels. Contact with nickel salt solutions may result in dermatitis and repeated inhalations of nickel compounds can cause lung cancer. Levels of 0.1 mg/l have been reported to adversely affect plant life.

#### Fluoride

Fluorides in high concentrations are not a common constituent of natural surface waters, but may naturally occur in detrimental concentrations in ground waters.

A condition known as "mottled enamel" (dental fluorosis) may occur when the concentration of fluoride ion in drinking water is in excess of 1.0 mg/L; however, small quantities have proven to be beneficial in reducing tooth decay. Excess concentrations affect animal breeding efficiency and may have detrimental effects on some plants.

### Cyanide

Cyanides are likely to occur in effluents from gas works and coke ovens, from the scrubbing of gases produced from blast furnaces, in wastes from the surface cleaning of various metals, and in electroplating processes and other chemical industries.

Cyanide in water is toxic to biological life, the lethal concentration depending on water quality, temperature and type and size of organism.

### Cobalt

Cobalt occurs naturally in the minerals cobaltite, smaltite and erythrite. It is widely used in the manufacture of alloys, the tungsten carbide tool industry and as pigments used in glass staining.

Cobalt is an essential element at trace levels for both animals and plant nutrition. It is known to be one of the main constituents of Vitamin B<sub>12</sub>. Adverse effects due to cobalt are very slight even at high concentrations. No limits have been set on the maximum acceptable concentration for cobalt in domestic water supplies.

### 3. RADIOCHEMICAL ANALYSES

All elements are made up of atoms, each of which consists of a central nucleus surrounded by a number of electrons. Some nuclei are radioactive; they emit excess energy in the form of ionizing radiation as a result of nuclear disintegrations. The three types of ionizing radiations which are of principal interest in environmental studies are referred to as alpha, beta and gamma radiations.

1. Alpha rays are streams of fast moving helium nuclei. These are particles which can travel only a few centimetres in air and can be stopped by a sheet of paper or a layer of skin.
2. Beta rays are streams of fast moving electrons which are very much lighter than helium nuclei. The maximum range of most common beta rays is a few metres in the air or one to two centimetres in the human body.
3. Gamma rays are highly penetrating electromagnetic radiation of the same family as radio waves and x-rays. Like x-rays, gamma mass rays can pass right through the human body.

The number of nuclear disintegrations occurring in a substance per second is a measure of its radioactivity. The unit of radioactivity used in this report is becquerel (Bq). One becquerel equals one nuclear transformation per second and corresponds to approximately 27 picocuries. Radiological half life is the length of time required for one half of the unstable atom to disintegrate or change (i.e. radioactive decay).

Exposure to radiation is characterized by the transfer of energy to molecules of the cells which make up body tissues and organs. This can affect the normal function of the cells, resulting in damage to the tissues and organs. Exposure to the small doses of radiation which might be encountered in the environment will not result in

immediate detectable damage; however, long-term effects may result. These effects are in apparently random occurrence of induced cancers and genetic defects in a small proportion of the exposed population. The numbers of effects induced are considered to be directly proportional to the amount of absorbed radiation.

#### Gross-alpha

Gross-alpha is a measure of the total radioactivity of all the alpha emitting materials in a sample. Measurements of gross-alpha activity provide useful reference points to enable trends to be detected. However, the results cannot be used to determine radiation dose or health effects since the short range of alpha particles means that some will not be detected, thereby causing an underestimation of the total activity. Also, the alpha particles may be emissions from a mixture of materials that are radiologically and biologically different.

#### Gross-beta

Gross-beta is a measure of the total radiation of all the beta emitting materials in a sample. Measurements of gross-beta activity provide useful reference points to enable trends to be detected but cannot be used to determine radiation dose or health effects.

#### Radium-226

Radium-226 is a naturally occurring alpha-particle emitter formed from the decay of uranium-238 and has a radiological half life of 1602 years.

### Uranium-total

Total uranium exists primarily as the isotope uranium-238 with less than 1% occurring as uranium-235. Uranium is a naturally occurring alpha-particle emitter which was formed at the same time as the earth (about  $5 \times 10^9$  years) and is still present in significant quantities due to its extremely long radiological half-life ( $4.5 \times 10^9$  years).

### Cesium-137

Cesium-137 is a beta-particle emitter formed as a fission product in nuclear weapons detonation and atomic reactor operation. Cesium-137 is readily adsorbed and retained by biological systems. Its radiological half life is 30 years.

### Cesium-134

Cesium-134 is a beta-particle emitter also formed as a fission product in nuclear weapons detonation and atomic reactor operation. Cesium-134 is of less importance than Cesium-137 as its radiological half-life is only 72 hours.

### Cobalt-60

Cobalt-60 is primarily formed in atomic reactor operation due to the neutron activation of trace quantities of cobalt-59 found in steel. Insignificant quantities are also formed from nuclear weapons detonation. Cobalt-60 has a radiological half life of 5.3 years and emits both beta and gamma radiation.

### Tritium

Tritium exists fairly uniformly in the environment as a result of natural production by cosmic radiation and residual fallout from nuclear weapons tests. This background level is gradually being increased by the use of nuclear reactors to generate electricity.

Current tritium from the nuclear power industry comprises a small proportion of environmental tritium in comparison with that from nuclear weapons fallout and naturally produced tritium. However, nuclear reactors and fuel-processing plants are localized sources of tritium because of discharges during normal operation. This industry is expected to become the major source of environmental tritium contamination some time in the future if present growth trends continue and nuclear explosion in the atmosphere are not resumed. Tritium is produced in light water nuclear reactors by ternary fission, neutron capture in coolant additives, control rods and plates, and activation of deuterium. About 1% of the tritium in the primary coolant is released in gaseous form to the atmosphere; the remainder is eventually released in liquid waste discharges. Most of the tritium produced in reactors remains in the fuel and is released when the fuel is reprocessed.

Naturally occurring tritium is most abundant in precipitation and lowest in aged water because of its physical decay by beta emission to helium.

#### IODINE

Iodine is a chemical oxidant. It disinfects in a manner similar to chlorine. Iodine is the least soluble of all the halogens, hence it is the least likely to be hydrolyzed by water. It also has the lowest oxidation potential; that is, reacting more slowly with organic compounds than chlorine. Because of this stability, iodine does not react with nitrogenous compounds as does chlorine. Iodine remains effective through a wider range than does chlorine; chlorine becomes less stable at pH of 8 as compared to iodine at pH of 10.

#### 4. SYNTHETIC ORGANIC ANALYSES

The synthetic organic compounds referred to in this section are classified as pesticides and industrial chemicals. These compounds contain linked carbon atoms in their chemical structure and are, for the most part, synthesized from common chemicals. Furthermore they may be subdivided into chemical families of compounds sharing common characteristics. For example, organochlorine compounds (chlorinated hydrocarbons) contain chlorine, hydrogen and carbon in their structure; they have a tendency to accumulate in the fatty tissues of animals and are stable compounds (i.e. persistent).

Until recently, only a few classes of compounds such as drugs, food additives and pesticides were controlled by legislation. For example, the only pesticides which may be offered for sale in Ontario are those which have been registered under the authority of the Pest Control Products Act which is administered by Agriculture Canada. The term pesticide includes insecticides, herbicides and fungicides which are chemical compounds used to control insects, weeds or fungi (i.e. "pests") that attack crops, animals and man. In contrast to the regulation of pesticides, thousands of unregistered synthetic organic chemicals are in daily use as raw materials, products and additives. Very little is known about their possible health and environmental effects because of their sheer number and diversity of use. Many are not hazardous, but the adverse effects already encountered by some have created concern for preventative measures of both known and potentially hazardous substances.



### Polychlorinated Biphenyls (PCBs)

PCBs are a range of industrial chemicals produced by direct chlorination of biphenyl. The North American products in this family are sold under the name Arochlor. Arochlors are characterized by a four digit number (e.g. Arochlor 1242, Arochlor 1254 of which the last two digits refer to the weight percentage of chlorine in the products. There are 208 possible compounds which could be formed by this reaction. Each product is a different mixture of up to 100 of these, each with its own unique physical, chemical and biological properties.

The main characteristics of PCBs are their chemical, physical, biological inertness and electrical insulating properties. They have been widely used in transformers, capacitors, as heat exchange fluids, plasticizers, in inks, paint, lubricants, and many other products. Spills and waste disposal practices have resulted in very large inputs of these chemicals to all facets of the environment.

PCBs are lipophylic and thus continuing environmental inputs have led to biological uptake and concentration. Of particular concern are the excessive levels detected in some fish. Levels in water and air to date have not demonstrated a threat to human health, as might arise from fish consumption. PCBs have been shown to be both acutely and chronically toxic, carcinogenic and teratogenic. Limits for human consumption have been set based on tests on monkeys and rats. The present acceptable level of PCBs in fish is 2.0 ppm. However, for protection of the fisheries resource from reproductive failure, 0.1 ppm has been suggested. Long-term use of PCBs, at elevated temperatures, and inefficient incineration of these materials have been shown to produce the highly toxic chlorodibenzofurans, closely related to dioxins.

### Trichlorophenoxyacetic Acid (2,4,5-T)

2,4,5-T is a chlorophenoxy acid herbicide. Other members of this family include 2,4-D and 2,4,5-TP which were introduced as selective weed killers at the end of World War II. Their uses include weed control in cereal crops, lawns, along roadsides, hydro and railroad rights-of-way and control of aquatic weeds.

The human toxicity of these herbicides is low; effects on farmstock and wildlife from current environmental levels would appear to be negligible and no discernible toxic effects have been reported in fish at levels below 100 mg/L.

However, 2,3,7,8-tetrachlorodibenzodioxin (TCDD), an extremely toxic compound, has been detected in 2,4,5-T formulations as a by-product of its manufacture, thus raising doubts as to the human safety of the use of 2,4,5-T, and the related herbicide 2,4,5-TP (Silvex). A tolerance level of 0.1 ppm 2,3,7,8-TCDD in 2,4,5-T formulation has been set, but the adequacy of the safety factor is still under discussion.

### Pentachlorophenol (PCP)

Pentachlorophenol is used as a herbicide, defoliant, insecticide, fungicide and wood preservative. The salts, esters and ethers of PCP are also effective herbicides.

PCP is considered relatively toxic to wildlife and fish and its presence in water can cause tainting of fish flesh, reducing its palatability. PCP can be harmful to man if inhaled and absorbed through the skin. There is no known antidote to PCP poisoning.

In addition to its inherent toxicity, a further problem is posed by the presence of high chlorinated dioxins, (octachlorodioxin, heptachlorodioxin, hexachlorodioxin) in PCP formulations. Whilst considerably less toxic than 2,3,7,8-TCDD (tetrachlorodibenzodioxin), it has been suggested that these compounds may degrade to 2,3,7,8-TCDD under the influence of sunlight and other environmental conditions.

STATION IDENTIFIER CODES, ABBREVIATED PARAMETER HEADINGS  
AND QUALIFYING REMARKS CODES

Station Identifier Codes

The station identifier codes which appear in the index and the top right-hand corner of the data pages are numerical descriptions of the sampling station locations and are used primarily for electronic data processing of the water quality data. The eleven digit figure is decoded as follows: the first two digits refer to the terminal basins (see figures 2 and 3), the following four digits refer to the river basin (each river basin in a terminal basin is assigned a unique number), the next three digits refer to the station number within the river basin and the last two digits refer to the type of sample (e.g. 01-lake sample, 02-stream sample, 82 to 89-composite sample, e.g. 83 - 3 part composite across a station sampling range).

Distance

The distance in kilometres is measured along the centre line of a watercourse to the sampling station location from the junction of the related terminal stream and terminal basin.

### Abbreviated Headings

BOW	body of water
STN NO	base station number
LAT	latitude (not applicable)
LONG	longitude (not applicable)
UTM	Universal Transverse Mercator Grid
SAMP DTE DY MO YR	sample date; day, month, year
HOUR LMT	hour(s) local mean time (2400 hour clock)
STN DIST FEET	distance from base station (in feet) (not applicable)
STN BRG	bearing of sampling point (deg N) from base station (not applicable)
SAMP DEPTH MTRS	sample depth (in metres)
PJ	project (not applicable)

### Abbreviated Parameter Headings

The alphabetic codes appearing as the parameter headings are a series of unique codes used for computer processing. Each alphabetic code identifies a particular water quality parameter and analytical procedure.

Test Name and Abbreviated Description	Description of Test	Units of Measure
ACDT ACIDITY TOTAL	ACIDITY, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
ALKT ALK TOTAL	ALKALINITY, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
ACDT ALUT ALUMINUM UNF. TOT.	ALUMINIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ALUMINIUM
ASUT ARSENIC UNFITOT	ARSENIC, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ARSENIC
ASBUR ARSENTE UNF. REAC.	ARSENIC +3 UNFILTERED REAC.	MILLIGRAM PER LITRE AS ARSENIC
ASJUR ARSENATE UNF. REAC.	ARSENIC +5, UNFILTERED REAC.	MILLIGRAM PER LITRE AS ARSENIC
BOD <sub>5</sub> 5 DAY TOT. DEM.	BOD, 5 DAY, TOTAL DEMAND	MILLIGRAM PER LITRE AS OXYGEN
CAUR CALCIUM UNF. REACT.	CALCIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS CALCIUM
CCNAUR CYANIDE AVAIL UNF. REACT.	CYANIDE, AVAILABLE UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS HYDROGEN CYANIDE
CCNFUR	CYANIDE, FREE UNFIL. REACTIVE	MILLIGRAM PER LITRE AS HYDROGEN CYANIDE
CCUT CARBON UNF-TOT.	CARBON, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS CARBON
CDUT CADMIUM UNF. TOT.	CADMIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS CADMIUM

Test Name and Abbreviated Description	Description of Test	Units of Measure
CLIDUR CHLORIDE UNF. REAC.	CHLORIDE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS CHLORINE
COD CHEM. OX. DEMAND	CHEMICAL OXYGEN DEMAND	MILLIGRAM PER LITRE AS OXYGEN
COLAP COLOUR APPARENT	COLOUR, APPARENT	HAZEN COLOUR UNIT
COLTR COLOUR TRUE	COLOUR, TRUE	HAZEN COLOUR UNIT
COND25 CONDUCT. 25C	CONDUCTIVITY AT 25°C	MICROMHOS/CM (CONDUCTIVITY) AT 25 DEGREES CENTIGRADE
COUT COBALT UNF. TOT.	COBALT, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS COBALT
C060 COBALT 60	COBALT 60	BECQUEREL PER LITRE
CRUT CHROMIUM UNF. TOT.	CHROMIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS CHROMIUM
CS134 CESIUM 134	CESIUM 134	BECQUEREL PER LITRE
CS 137 CESIUM 137	CESIUM	BECQUEREL PER LITRE
CUUT COPPER UNF. TOT.	COPPER, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS COPPER
DO DISSOLVED OXYGEN	DISSOLVED OXYGEN	MILLIGRAM PER LITRE AS OXYGEN

Test Name and Abbreviated Description	Description of Test	Units of Measure
DOC CARBON DISSOLVED ORGANIC	CARBON, DISSOLVED ORGANIC	MILLIGRAM PER LITRE AS CARBON
ECMF ESCH IA COLI MF	ESCHERICHIA COLIFORM, MEMBRANE FILTRATIONS TECHNIQUE	COUNTS PER 100 ML
FCMF FECAL COLIFORM MF	FECAL COLIFORM MEMBRANE FILTRATION TECHNIQUE	COUNTS PER 100 ML
FEUT IRON UNF. TOT.	IRON, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS IRON
FFIDUR FLUORIDE UNF. REAC.	FLUORIDE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS FLUORINE
FSMF FECAL STREPCUS MF	FECAL STREPTOCOCCUS, MEMBRANE FILTRATION TECHNIQUE	COUNTS PER 100 ML
FWFLOW STREAM FLOW	STREAMFLOW	CUBIC METRE (1000L) PER SECOND
FWPH PH FIELD	PH, FIELD	NEGATIVE LOGARITHM OF HYDROGEN ION CONCENTRATION
FWSTRC STREAM COND.	STREAM CONDITION	NOT APPLICABLE
FWTEMP WATER TEMP.	TEMPERATURE, WATER	DEGREES CELSIUS

Test Name and Abbreviated Description	Description of Test	Units of Measure
GACF GROSS ALPHA CT. FILTERED	GROSS ALPHA CT., FILTERED	BECQUEREL PER LITRE
GACP GROSS ALPHA CT UNDISSOL.	GROSS ALPHA CT., UNDISSOLVED	BECQUEREL PER LITRE
GBCF GROSS BETA CT. FILTERED	GROSS BETA CT., FILTERED	BECQUEREL PER LITRE
GBCP GROSS BETA CT. UNDISSOL.	GROSS BETA CT., UNDISSOLVED	BECQUEREL PER LITRE
HARDT HARDNESS TOTAL	HARDNESS, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
HGUT MERCURY UNF. TOT.	MERCURY, UNFILTERED TOTAL	MICROGRAM PER LITRE AS MERCURY
HH3 TRITIUM HYDROG-3	TRITIUM, (HYDROGEN 3)	BECQUEREL PER LITRE
II131 IODINE 131	IODINE 131	BECQUEREL PER LITRE
KKUR POTASSIUM UNF. REAC.	POTASSIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS POTASSIUM
MGUR MAGNESIUM, FIL. REAC.	MAGNESIUM, FILTERED REACTIVE	MILLIGRAM PER LITRE AS MAGNESIUM
MNUT MANGANESE, UNF. TOT.	MANGANESE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS MANGANESE



Test Name and Abbreviated Description	Description of Test	Units of Measure
NAUR SODIUM UNF. REAC.	SODIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS SODIUM
NIUT NICKEL UNF. TOT.	NICKEL, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS NICKEL
NNHTFR NH3-N TOTAL FIL. REAC.	AMMONIUM, TOTAL FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNKI TOTAL N	TOTAL NITROGEN: SUM OF NITRATE NITRITE AND KJELDAHL-NITROGEN	MILLIGRAM PER LITRE AS NITROGEN
NNKUR KJELDAHL ORGANIC UNF. REAC.	KJELDAHL-NITROGEN, ORGANIC UNFILTERED REACTIVE	MILLIGRAM PER LITRE
NNOTFR NO2+NO3N FIL. REACT.	NITRATES, TOTAL FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNOTUR NO1+NO3N UNF, REAC.	NITRATES, TOTAL UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NN02FR NO2-N FIL. REAC.	NITRITE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNTIFR INORG. N. TOTAL FIL. REAC.	NITROGEN, TOTAL INORGANIC FILTERED REACTIVE	MILLIGRAM PER LITRE
NN02FR NO2-N FIL. REAC.	NITRATE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NN02HR NO2-N UNF. REAC.	NITRITE, UNFILTERED REACTIVE	MILLIGRAMS PER LITRE AS NITROGEN

Test Name and Abbreviated Description	Description of Test	Units of Measure
NN03FR NO3-N FILT. REAC.	NITRATE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NN03HR NO3-N HNF. REAC.	NITRATE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE
NNTKUR K'DAHL N TOTAL FIL. TOT.	NITROGEN, TOTAL KJELDAHL FIL. TOTAL	MILLIGRAM PER LITRE AS NITROGEN
PBUT LEAD UNF. TOT.	LEAD, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS LEAD
pH	pH (-LOG H+CONC), LAB.	NEGATIVE LOGARITHM OF HYDROGEN ION CONCENTRATION
PHNOL PHENOLS UNF-REAC	PHENOLICS, UNFILTERED REACTIVE	MICROGRAM PER LITRE AS PHENOL
PP04FR P04 FIL. REAC.	PHOSPHATE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS PHOSPHORUS
PP04UR P04 UNF. REAC.	PHOSPHATE, UNFILTERED REACTIVE	MILLIGRAMPER LITRE AS PHOSPHORUS
PPUT PHOSPHOR UNF. TOT.	PHOSPHORUS, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS PHOSPHORUS
PSAMF PSEUDOMN AERUG, MF	PSEUDOMONAS, AERUGINOSA MEMBRANE FILTRATION TECHNIQUE	COUNTS PER 100 ML
P1PCBT PCB TOTAL	POLYCHLORINATED BIPHENOLS, TOTAL	MICROGRAM PER LITRE
P3245T 2,4,5-T	2,4,5-Trichlorophnoxyacetic	MICROGRAM PER LITRE

Test Name and Abbreviated Description	Description of Test	Units of Measure
RA226F RADIUM 226 FIL.	RADIUM-226, FILTERED	BECQUEREL PER LITRE
RA226T RADIUM 226TOT	RADIUM-226, TOTAL	BECQUEREL PER LITRE
RSF RESIDUE FILTERED	RESIDUE, FILTERED	MILLIGRAM PER LITRE
RSFRAD RESIDUE FILTERED RADIOLOG	RESIDUE, FILTERED RADIOLOGICAL FILTERED RADIOLOGICAL RESIDUE	MILLIGRAM PER LITRE
RSP RESIDUE PARTIC.	RESIDUE, PARTICULATE	MILLIGRAM PER LITRE
RSPRAD RESIDUE PARTIC. RADIOLOG	RESIDUE, PARTICULATE RADIOLOGICAL	MILLIGRAM PER LITRE
RST RESIDUE TOTAL	RESIDUE, TOTAL	MILLIGRAM PER LITRE
SAMPLE SAMPLE NUMBER	SAMPLE NUMBER, FIELD	NOT APPLICABLE
S103UR SILICATE UNF. REAC.	SILICATES, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS SILICON
SOLEXT SOLVENT EXTRACT.	SOLVENT EXTRACTABLES	MILLIGRAM PER LITRE
SSIDUR SULPHIDE UNF. REAC.	SULPHIDE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE
SS04UR SULPHATE UNF. REAC.	SULPHATE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS SULPHATE

Test Name and Abbreviated Description	Description of Test	Units of Measure
TCMF COLIFORM TOTAL MF	COLIFORM, TOTAL MEMBRANE FILTRATION TECHNIQUE	COUNTS PER 100 ML
TCMFBK COLIFORM TOTAL MF BCKGRD	COLIFORM, TOTAL MEMBRANCE FILTRATION TECHNIQUE BACKGROUND	COUNTS PER 100 ML
TURB TURB'ITY	TURBIDITY	FORMAZIN TURBIDITY UNIT
UU238 URANIUM 238	URANIUM 238	MILLIGRAM PER LITRE
X3PCPH PENTACHL PHENOL	PENTACHLOROPHENOL	NANORGRAMS PEC LITRE
ZNUT ZINC UNF. TOT.	ZINC, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ZINC

## OTHER ABBREVIATIONS

ARITH MEAN	arithmetic mean
AVE.	avenue
AVG OR GEOM MN	arithmetic mean or geometric mean (denoted by *)
BLVD.	boulevard
BR.	branch, bridge or brook
CORP.	corporation
CAN.	Canadian
C.N.R.	Canadian National Railway
CO.	county or company
CONC.	concession
C.P.R.	Canadian Pacific Railway
CR.	Creek
DR.	drive
FT.	feet
GEOM MEAN	geometric mean
HWY.	highway
JNT.	junction
L.	left
MG	milligram(s)
MG/L or mg/L	milligrams per litre
ML	millilitre(s)
N.	north
NG/L	nanogram(s) per litre
NO/OF SAMPLES	number of samples
PT.	part or point
Q.E.W.	Queen Elizabeth Way
R.	river or right
RD.	road
R.R.	railroad
RW.	railway
S.	south
STD DEV	standard deviation
S.T.P.	sewage treatment plant
TWP.	township
UG/L	micrograms per litre
W.P.C.P.	water pollution control plant
WW.	water-works

An "Exponent" is used to move the decimal point to the right when the result is greater than 7 digits or to the left if the result is measured to more than three decimal places.

EXPONENT = + 4 multiple result by 10,000

= + 3 " " " 1,000

= + 2 " " " 100

= + 1 " " " 10

= - 1 divide result by 10

= - 2 " " " 100

= - 3 " " " 1,000

= - 4 " " " 10,000

## ANALYTICAL TECHNIQUES USED TO MEASURE WATER QUALITY

### Microbiological Parameters

### Analytical Technique

Total Coliforms	Membrane Filtration
Fecal Coliforms	Membrane Filtration
Fecal Streptococcus	Membrane Filtration
Pseudomonas Aerugenosa	Membrane Filtration
Background Count	Membrane Filtration

### Chemical and Physical Parameters

### Analytical Technique

Alkalinity	Auto* fixed endpoint titration
Ammonia-N (filtered total)	Auto modified Berthelot reaction
Arsenic	Flameless AAS**; colourimetry
Cadmium	AAS
Calcium	AAS; EDTA titrimetric
Carbon	Auto oxidation, colourimetry
Chloride	Auto potentiometric titration; Auto FeCNS
Chromium	AAS; colourimetry
Conductivity	25°C thermostated conductivity meter
Copper	AAS
Iron (total)	AAS; Auto TPTZ colourimetry
Lead	AAS
Magnesium	AAS; calculation from hardness, Ca
Manganese	AAS; Auto formal doxine colourimetry
Mercury	Flameless AAS
Nickel	AAS

Nitrate + Nitrite-N (filtered)	Auto hydrazine reduction-diazotization
Kjeldahl-N	Digest, Auto modified Berthelot reaction
Phosphate-P (filtered reactive)	Auto molybdenum blue-ascorbic acid
pH	Potentiometric-glass electrode
Phenolics-reactive	Auto distillation-4AAP
Phosphorus-total	Digest, Auto molybdenum blue-ascorbic acid
Phosphorus-filtered total	Digest, Auto molybdenum blue-ascorbic acid
Potassium	AAS
Selenium	Fluorimetry
Silicates-reactive	Auto molybdenum blue-ascorbic acid
Sodium	AAS
Solids-suspended	Gravimetric
Sulfate	Auto MTB colourimetry; Ion Chromatography
Turbidity	Nephelometry, formazin standard
Zinc	AAS



### Radiochemical Parameters

Gross alpha	Nuclear disintegrations count from evaporated residues
Gross beta	Nuclear disintegrations count from evaporated residues
Radium-226	Diemination technique
Uranium-total	Fluorometric technique
Cesium 137	Gamma spectrometry
Cesium 134	Gamma spectrometry
Cobalt 60	Gamma spectrometry

### Synthetic Organic Parameters

PCB	Solvent extraction, gas chromatography
2,4,5-T	Solvent extraction, gas chromatography
PCP	Solvent extraction, gas chromatography
	* Automated instrumentation
	** Atomic Absorption Spectrophotometry

## GLOSSARY OF TERMS

**Arithmetic Mean** - The nth quotient of the summation of n observations. The equation for the arithmetic mean ( $\bar{X}$ ) can be expressed as:

**Detection Limit** - The amount of analyte required to be present to ensure that when it is 'absent' it will not be reported as 'present'.

**Geometric Mean** - The nth root of the product of n observations. The equation for the geometric mean ( $G_x$ ) can be expressed as:

$$G_x = \sqrt[n]{(X_1 \times X_2 \times \dots \times X_n)}$$

$$\text{or } G_x = \text{antilog} \left( \frac{\log X_1 + \log X_2 + \dots + \log X_n}{n} \right)$$

**Standard Deviation** - A measure of reproducibility that would be obtained if a sample were reanalyzed. It can be determined in one of two ways

a) a single sample is analyzed n times to obtain results  $X_1, X_2, \dots, X_n$ .

The average value is calculated  $\bar{X} = \sum X/n$ .

The deviations ( $X_n - \bar{X}$ ) are used to calculate the standard deviation

$$s = \sqrt{\frac{\sum (X_n - \bar{X})^2}{(n - 1)}}$$

b) n samples are analyzed each in duplicate to obtain differences between results

$$(x_1 - x_2)_1 \text{ ----- } (x_1 - x_2)_n.$$

These differences are used to calculate the standard deviation

$$s = \sqrt{(x_1 - x_2)_n^2 / 2n}$$

Both of these estimates of s are equally valid and can be used to predict the likelihood of finding a large difference between any two results, providing they were obtained under similar circumstances. On average, a single result will be within  $\pm S$  of its average value in two out of three cases. It will be within  $\pm 1.96 S$  of the average in 19 out of 20 times, i.e. 95% of the time. Therefore, the difference between any two single results will be within  $\pm 1.96 \sqrt{2} S$  95% of the time, where the  $\sqrt{2}$  factor accounts for the variability in both results.

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6640g

LL/src/rmg

## APPENDICES

Abbreviations and Remarks Used on Reports

Water Quality Data

Sampling Station Director (Alphabetical Index)

## ABBREVIATIONS USED:

BTH GRAB	BOTTOM GRAB SAMPLE
CORE	BOTTOM CORE SAMPLE
CNT LOW	BACTERIA COUNT UNACCEPTABLE
DATA AVL	DATA NOT STORED IN THIS SYSTEM BUT IS AVAILABLE
DC	DEPTH COMPOSITE SAMPLE
DD	DAY
ET	END TIME
EXP	PRECIPITATING AT EXPOSURE (FOR PRECIP. SAMPLES)
GC	GAUGE DEPTH (FOR PRECIP. SAMPLES)
I	DEPTH INTERVAL (IN METERS) WHEN ASSOCIATED WITH DC TIME INTERVAL (IN HOURS) WHEN ASSOCIATED WITH TC
ID	INITIAL DATE (SET-UP DATE FOR PRECIP. SAMPLES)
IT	INITIAL TIME (SET-UP TIME FOR PRECIP. SAMPLES)
LAT	LATITUDE
LONG	LONGITUDE
LMT	LOCAL MEAN TIME
L01	LOW VOLUME SEQUENTIAL SAMPLE
L02	LOW VOLUME NUTECH SAMPLE
MM	MONTH
N	NUMBER OF SAMPLES (USED FOR DC, TC AND CORE SAMPLES)
DRY	PRECIPITATION SAMPLE (DRY ONLY)
WET	PRECIPITATION SAMPLE (WET ONLY)
BULK	PRECIPITATION SAMPLE (BULK)
GRND	PRECIPITATION SAMPLE (ON GROUND SNOW COURSE)
REM	PRECIPITATING AT REMOVAL (FOR PC SAMPLES 0,1,2,3)
SD	START DEPTH
ST	START TIME
SED CORE	SEDIMENT CORE SAMPLE (DEPTH FROM AND TO MEASURED IN CM)
SED GRAB	SEDIMENT GRAB SAMPLE (DEPTH FROM AND TO MEASURED IN CM)
WLE	WATER LAYER - WHOLE LAKE COMPOSITE
EPI	WATER LAYER - EPILIMNION ZONE
MET	WATER LAYER - METALIMNION ZONE
HYP	WATER LAYER - HYPOLIMNION ZONE
EUP	WATER LAYER - EUPHOTIC ZONE
GEN	WATER LAYER - GENERAL LAYER
TC	TIME COMPOSITE SAMPLE
TNTC	BACTERIA TOO NUMEROUS TO COUNT
V	VOLUME WHEN ASSOCIATED WITH L01 AND L02 SAMPLES
YY	YEAR

## NOTE:

ONE SAMPLE DESIGNATES DATA ASSOCIATED WITH A LOCATION AT ONE POINT IN TIME

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
<	ACTUAL RESULT < THAN REPORTED VALUE	PE
<=>	APPROXIMATE RESULT	
<E	NO RESP.: (EXCESS DIL'N) MIN. VALUE	PE
<N	NON-DETECTED	PE
<R	DETECT LIMIT REPORT: VALUE < LIMIT	PE
<S	TRACE RESP.: < THAN VALUE REPORTED	PE
<T	LOW VALUE TENTATIVE: FOR INFO ONLY	PT
<W	0 VALUE IS MIN. MEASURABLE AMOUNT	PT
AA	NO DATA: ANAL. REQ ABSENT-AMBUOUS	
AD	NO DATA: ANOMALOUS DATA WITHDRAWN	
AI	ADDITIONAL INFORMATION AVAIL AT LAB	
AL	NO DATA: AL NOT DONE, PH > 5.5	
AM	NO DATA: PH > 7	
AR	SEE ATTACHED REPT: NO NUMERIC VALUE	
AW	NO DATA: ANALYSIS WITHDRAWN	
BC	NO DATA: BACKGRND COLOUR INTERFERES	
BL	NO DATA: UNRELIABLE BLANK	
BN	NO DATA: BACKGND TO NUMEROUS TO CNT	
BT	NO DATA: SAMPLE BROKEN IN TRANSIT	
CA	NO DATA: CARBONATE NOT DONE, PH>5.0	
CC	COURT CASE: RESULTS REPT. ELSEWHERE	
CR	COULD NOT PERFORM CONFIRMING REANAL	
CS	NO DATA: CONTAMINATION SUSPECTED	
CU	TYPICAL/TOTAL COLONY CNT UNSUITABLE	
DD	SAMP. SUBM. AS DUP. FOUND TO DIFFER	
DT	NO DATA: SAMPLE DISCARDED IN ERROR	

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
EF	NO DATA: LABORATORY EQUIP. FAILURE	
EP	NO DATA: EXCESS. PRESERVATIVE USED	
FC	NO DATA: FOIL CAP CONTAMINATED SAMP	
FF	NO DATA: FIELD FILTERED SAMP REQRD	
GL	NO DATA: GREEN LABEL REQ ON BOTTLE	
HB	HIGH BACKGND ABSORBANCE IN EXTRACT	
HI	RERUN: NO VALUE,OFFSCALE HIGH	
IC	NO DATA: IMPROPER CONTAINER	
IF	NO DATA: INVALID FILTER-NO AIR VOL	
IL	NO DATA: SAMPLE INCORRECTLY LABELED	
IM	INTERNAL LAB MEMO; FOR LAB USE ONLY	
IP	NO DATA: INSUFFICIENT PRESERVATIVE	
IR	INSUFFICIENT SAMP FOR REPEAT ANALY	
IS	NO DATA: INSUFFICIENT SAMPLE	
IV	NO DATA: INVALID SAMPLE	
LA	SAMPLE SPOILED IN LAB ACCIDENT	
LC	NO DATA: LAB CAPACITY EXCEEDED	
LD	NO DATA: TEST QUEUED:SAMP DISCARDED	
LO	RERUN: NO VALUE,OFFSCALE LOW	
LP	NO DATA: PERISHABLE TEST QUEUE LATE	
MS	SAMP TOO COMPLEX REFERRED TO MS GRP	
NA	NO AUTHORIZATION TO PERFORM ANALY	
NE	SUBM SHEET MISPLACED - NOT ENTERED	
NF	INFORMATION NOT REC'D FROM SUBMITOR	
NI	NO DATA: SAMP NOT STORED IN ICE	



INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
NP	NO DATA: NO APPROP. PROCEDURE AVAIL	
NR	NO DATA: SAMPLE NOT RECEIVED AT LAB	
NS	NO DATA: NOT EQUIP. TO ANALY SAFELY	
NT	NO DATA: NO TIME RECORDED	
OC	NO DATA: ORGANIC CARBON CONTENT>17%	
OF	SLUDGE SAMP DISCARD:BOTTLE OVERFILL	
OP	NO DATA: OBSCURED PLATE	
OS	NO DATA: OPTIONAL SAMPLE	
OT	SAMPLE OVERTITRATD:NO REPEAT POSBLE	
PE	PROCEDURE ERROR: SAMP NOW DISCARDED	
PH	SAMP PH OUTSIDE VALID RANGE	
PM	NO DATA: PIECE MISSING	
PR	NO DATA: PRESERVATIVE REQUIRED	
PU	NO DATA:VSAMPLE PRESUMED UNSTERILE	
QU	NO DATA: QUALITY CONTROL UNACCEP.	
RC	RESULT CHANGED: REPORT REVISED	
RD	SEE ATTCH. REPT:NO NUM VALUE:DIOXIN	
RE	NO DATA: SAMP CONTAINER RECV. EMPTY	
RI	SEE ATTCH. REPT:NO NUM VALUE:ITCS	
RL	RESULT FORTHCOMING FROM RAD. LAB	
RM	SEE ATTCH. REPT:NO NUM VALUE:MICRO	
RN	SEE ATTCH. REPT FOR NUMERIC RESULT	
RO	SEE ATTCH. REPT:NO NUM VALUE:OTCS	
RP	SEE ATTCH. REPT:NO NUM VALUE:PEST	
RR	NO DATA: RERUN HAS BEEN INITIATED	

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
RT	SAMPLE NOT REFRIGERATED IN TRANSIT	
RW	SEE ATTCH. REPT:NO NUM VALUE:WQS	
SD	NO DATA: SAMPLE DECOMPOSED	
SE	SAMPLE EXAMINED: SEE OTHER RESULTS	
SF	NO DATA: SAMPLE RECEIVED FROZEN	
SL	NO DATA: SAMP ARRIVED LATE FOR ANAL	
SM	NO DATA: SAMPLE MISSING:LOST IN LAB	
SS	SEPARATE SAMP, PROPER. PRESERVE REQ	
TE	TURB LIMIT OF APP COLOR TEST EXCEED	
TF	NO DATA: TORN FILTER	
TH	TURB EXCEEDED RANGE OF INSTRUMENT	
TN	NO DATA: TOO NUMEROUS TO COUNT	
TU	NO DATA: ANALY TEMPORARILY UNAVAIL.	
TW	NO DATA: TARE WT. > LOADED WT.	
TX	NO DATA: TIME LIMIT EXPIRED	
U	UNSUITABLE FOR ANALYSIS	
UB	BROKEN SAMPLE CONTAINER	
UD	INSUFFICIENT SAMPLE	
UE	NO DATA: UNCORRECTABLE ERROR	
UI	NO DATA: UNDETERMINED INTERFERENCE	
UR	NO DATA: UNPRESERVED SAMP REQUIRED	
VE	INSUFFICIENT SAMP:VISUAL EST:RSP<15	
VU	NO DATA: VALUES USED IN CACL UNVAIL	
WP	NO DATA: WRONG PRESERVATIVE USED	
12	NO DATA: SAMPLE AGE EXCEEDS 12HR	

## INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
72	NO DATA: SAMPLE AGE EXCEEDS 72HR	
!BT	NO DATA: SAMPLE BROKEN IN TRANSIT	
>	ACTUAL RESULT > THAN REPORTED VALUE	PE
>SF	ACTUAL MASS > SIZED FIBRE MASS	PE
A>	APROX RSLT:EXCEED NORMAL RNGE LIMIT	
AAI	ADDITIONAL INFO AVAILABLE FROM LAB	
AID	APPROX VALUE: INSUFFICIENT DILUTION	
AIP	ANALYSIS IN PROGRESS	
ALO	TOO ORGANIC;4:1 SOL'N:SOIL RATIO	
APD	ANALYSIS PERFORMED AT DORSET LAB	
BPS	RESULTS BIASED LOW DUE TO LONG STOR	
C	BACKGROUND COUNT TO NUMEROUS	
CIC	POSSIBLE CONTAM DUE TO IMPROPER CAP	
CMS	IDENTITY CONFIRMED BY GC/MASS SPEC	
CRO	CALCULATED RESULT ONLY	
DCC	SAMPLE KNOWN TO CONTAIN CARCINOGENS	
DCN	SAMPLE KNOWN TO CONTAIN CYANIDE	
DCP	DANGEROUS CONSTITUENTS PRESENT	
DUP	DUPLICATE	
E	ESTIMATED OR COMPUTED VALUE STORED	
EBR	NO RESULT: BOTTLE RECEIVED EMPTY	
EDC	EXCEEDS 1978 DRINK WATER QUAL CRIT	
EV	ESTIMATED VALUE - TARE WT UNVAIL.	
FAN	FRACTION ANALY: NON-AQUEOUS PHASE	
FAP	FRACTION ANALY: PARTICULATE ONLY	

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
FBA	LAB STAFF:FILT.WHOLE SAMP BEFORE AN	
HRF	SUSPECTED HIGH RESULT:IRON PRECIP	
LPI	LABELS PROBABLY INTERCHANGED	
M	MANUALLY ANALYSED	
NAF	NOT ALL REQUIRED TESTS FOUND	
NED	NOT ENOUGH DATA	
NNN	NOTE: CORRECTED VALUE	
NSS	NO SUITABLE SAMPLE	
NTR	NO TIME RECORDED: ANAYL. PERFORMED	
PFS	TEST PERFORMED ON PREV FROZEN SAMP	
PHA	PH ADJUSTED BEFORE ANALYSIS	
PLD	PASSIVE LOADING	
PNF	TEST PERFORMED ON NON-FROZEN SAMPLE	
PNS	TEST PERFORMED ON UNPRESERVE SAMPLE	
PPS	TEST PERFORMED ON PRESEVERED SAMPLE	
PS2	PCB RESEM.MIX AROCLR 1242 1245 1260	
P20	PCB RESEMBLED MIX AROCLOR 1242 1260	
P21	PCB RESEMBLED AROCLOR 1221	
P24	RESEMBLED MIX: AROCLOR 1242 AN 1254	
P28	RESEMBLED MIX: AROCLOR 1242 AN 1248	
P40	RESEMBLED MIX: AROCLOR 1254 AN 1260	
P42	PCB RESEMBLED AROCLOR 1242	
P48	PCB RESEMBLED AROCLOR 1248	
P54	PCB RESEMBLED AROCLOR 1254	
P60	PCB RESEMBLED AROCLOR 1260	

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
P84	RESEMBLED MIX: AROCLOR 1248 AN 1254	
R24	REPEAT: 24HR BETWEEN SAMP AND ANAL	
R48	REPEAT: 48HR BETWEEN SAMP AND ANAL	
R72	REPEAT: 72HR BETWEEN SAMP AND ANAL	
SD	SAMP SUBM AS DUPLIC FOUND TO DIFFER	
SIL	SAMP INCORRECTLY LABELLED	
SPH	SATURATED PASTE PH REPT:HIGH ORGAN.	
SPL	SEVERAL PEAKS,LARGE,NOT PRIORITY	
SPS	SEVERAL PEAKS,SMALL,NOT PRIORITY	
STA	SAMP TOO OLD FOR RE-ANALYSIS	
STC	SAMP TOO COMPLEX FOR THIS METHOD	
TAF	TRACE AMOUNT FOUND	
U	UNRELIABLE RESULT	
URD	RESULT MAY BE LOW: UNDISOLVE PART.	
WSB	WARNING-HEAVY SILT IN SAMP BIAS RES	
WSD	WRONG SAMP DESCRIPTION ON BOTTLE	
WST	WET SAMP MASS USED:RESLT REPT MG/KG	
X1	DILUTD BY 10 DETECT LINT 10X NORM	
X2	DILUTD BY 100 DETECT LINT 100X NORM	
X3	DILUTD BY 1000 DECT.LINT 1000X NORM	
24P	P-A BOTTLE POSITIVE AFTER 24 HOURS	
48P	P-A BOTTLE POSITIVE AFTER 48 HOURS	
72P	P-A BOTTLE POSITIVE AFTER 72 HOURS	
96P	P-A BOTTLE POSITIVE AFTER 96 HOURS	
99P	P-A BOTTLE POSITIVE AFTER 120 HOURS	

MOE - SAMPLE INFORMATION SYSTEM R4.5

ABBREVIATIONS AND REMARKS USED ON REPORTS

DATE OF REPORT: 15 JAN 87

COMPUTED VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

<A      VALUE WITH A REMARK WHICH HAS A  
         COMMENT CODE OF PT (AS ABOVE) USED IN  
         COMPUTATIONS

NOTE: VALUES WITH COMMENT CODE OF PE  
      ARE NOT USED IN COMPUTATIONS

REMARK CODES APPEAR TO THE RIGHT OF THE VALUE I.E. 435.56<T

**WATER QUALITY DATA**

**1982**

B.O.W./ SITE: MONTREAL RIVER  
 SAMPLE POINT: HIGHWAY NO 17 66 MILES SOUTH OF WAWA  
 STATION TYPE: RIVER FLOW GAUGE FED 02BE002

STATION ID: 01-0009-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: MONTREAL RIVER

STORET CODE: 02  
 001  
 0410

LAT: 47 14 19.78 LONG: 084 38 44.02

U T M: 16 0678200.0 5234175.0 4

REGION: 05

DISTANCE: 0.805

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
SAMPLE DATE	TIME	SAMPLE DEPTH	PROJECT SUB-PROJ	TOTAL MG/L	UNF.TOT. MG/L	UNF.REAC MG/L	25C UMHO/CM	UNF.TOT. MG/L	OXYGEN MG/L	UNF.TOT. MG/L	FLOW M3
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	/S
820327	1325	33727	0101	37		0.80	86	0.003<	12.00	0.210	31.100
820525	1130	33735	0101	18.9	0.150	0.35	52.6	0.001<	11.00	0.290	65.300
820719	2150	33771	0101	15.5	0.130	0.45	48.8	0.005	10.00	0.130	45.100
820928	1230	33799	0101	18.4	0.083	0.4	56.3	0.043	10.00	0.165	40.300
821130	1215	33828	0101	19.9	0.093	0.38	55.0	0.002	10.00	0.140	29.100

MAXIMUM	0.30	37	0.150	0.80	86	0.043	12.00	0.290	65.300
ARITH MEAN	0.30	22	0.114	0.49	60	0.017	10.60	0.187	42.180
GEOM MEAN		21	0.111	0.47	58		10.57	0.179	40.384
MINIMUM	0.30	15.5	0.083	0.35	48.8	0.002	10.00	0.130	29.100
STD DEV (GEOM *)		9	0.031	0.18	15		0.89	0.065	14.495
# SAMP IN STATISTICS	5	5	4	5	5	3	5	5	5
% SAMP (EXCLUDED)						40			

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP
			NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR	
SAMPLE DATE	TIME	WATER TEMP	UNF.TOT. MG/L	FIL.REAC MG/L	FIL.TOT. MG/L	UNF.TOT. MG/L	PH	UNF-REAC UG/L	FIL.REAC MG/L	UNF.TOT. MG/L	RESIDUE PARTIC.
YYMMDD	LMT	DEG.C	AS NI	AS N	AS N	AS PB		PHENOL	AS P	AS P	MG/L
820327	1325	33727	1.0	0.066	0.43	0.003<	7.56	1 <T	0.001	0.011	0.1 <W
820525	1130	33735	9.0	0.001<	0.044	0.005	6.91	0.4<T	0.0010<T	0.010	0.825<T
820719	2150	33771	15.0	0.001<	0.004<T	0.003	7.25	0.6<T	0.0005<W	0.001<T	0.125<T
820928	1230	33799	15.0	0.001<	0.002<T	0.003<	7.26	0.6<T	0.0895	0.104	0.590
821130	1215	33828	4.5	0.001<	0.014	0.003<	7.22	0.8	0.0010<W	0.004	1.270

MAXIMUM	15.0	0.066	0.43	0.005	7.56	1	0.0895	0.104	1.270
ARITH MEAN	8.9	0.026<A	0.43	0.004	7.24	1 <A	0.019 <A	0.026<A	0.6 <A
GEOM MEAN	6.2	0.013<A			7.24	1 <A	0.002 <A	0.009<A	0.4 <A
MINIMUM	1.0	0.002	0.43	0.003	6.91	0.4	0.0005	0.001	0.1
STD DEV (GEOM *)	6.2	0.028<A			0.23	0 <A	0.040 <A	0.044<A	0.5 <A
# SAMP IN STATISTICS	5	5	1	2	5	5	5	5	5
% SAMP (EXCLUDED)									



B.O.W./ SITE: MONTREAL RIVER  
SAMPLE POINT: HIGHWAY NO 17 66 MILES SOUTH OF WAWA  
STATION TYPE: RIVER FLOW GAUGE FED 02BE002

STATION ID: 01-0009-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE SUPERIOR  
TERM STREAM: MONTREAL RIVER

STORET CODE: 02  
001  
0410

LAT: 47 14 19.78 LONG: 084 38 44.02 U T M: 16 0678200.0 5234175.0 4 REGION: 05 DISTANCE: 0.805

\*=INTERIM TEST-NAME: TURB ZNUT  
ZINC  
UNF.TOT.  
MG/L  
AS ZN

SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	TURB'ITY FTU	
820327 1325	33727	0.86	0.004
820525 1130	33735	1.58	0.013
820719 2150	33771	0.79	0.016
820928 1230	33799	0.79	0.002
821130 1215	33828	0.52	0.010
MAXIMUM	1.58	0.016	
ARITH MEAN	0.91	0.009	
GEOM MEAN	0.85	0.007	
MINIMUM	0.52	0.002	
STD DEV (GEOM *)	0.40	0.006	
# SAMP IN STATISTICS	5	5	
% SAMP (EXCLUDED)			

B.O.W./ SITE: AGAWA RIVER  
 SAMPLE POINT: AT HIGHWAY 17  
 STATION TYPE: RIVER

STATION ID: 01-0012-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: AGAWA RIVER

STORET CODE: 02  
 001  
 0470

LAT: 47 21 31.63 LONG: 084 38 12.90 U T M: 16 0678450.0 5247525.0 4 REGION: 05 DISTANCE: 0.966

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	COND.
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	
820327	1400	33728	0101	15		0.70	47	0.003<	12.00	0.080	
820525	1030	33734	0101	9.4	0.098	0.40	36.7	0.002	9.00	0.070	
820719	2100	33772	0101	7.5	0.250	0.25	32.8	0.007	9.00	0.185	
820928	1200	33798	0101	8.8	0.160	0.35	35.8	0.001<	9.00	0.135	
821130	1130	33827	0101	8.9	0.140	0.40	37.0	0.001	12.00	0.100	8
MAXIMUM		0.30		15	0.250	0.70	47	0.007	12.00	0.185	
ARITH MEAN		0.30		10	0.162	0.42	38	0.003	10.20	0.114	
GEOM MEAN				10	0.153	0.40	38		10.10	0.107	
MINIMUM		0.30		7.5	0.098	0.25	32.8	0.001	9.00	0.070	
STD DEV (GEOM *)				3	0.064	0.17	5		1.64	0.047	
# SAMP IN STATISTICS		5		5	4	5	5	3	5	5	
% SAMP (EXCLUDED)								40			

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP
			NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR	
SAMPLE DATE	HOUR	SAMPLE	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE
YYMMDD	LMT	NUMBER	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.
			AS NI	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L
820327	1400	33728		0.032	0.24	0.003<	7.21	1 <T	0.013	0.025	0.1 <W
820525	1030	33734	0.001<	0.018		0.003<	6.61	0.2<W	0.0040	0.018	0.215<T
820719	2100	33772	0.001<	0.028		0.008	6.62	0.6<T	0.0010<T	0.017	1.780
820928	1200	33798	0.001<	0.020		0.003<	6.97	2.0	0.0010<T	0.007	1.590
821130	1130	33827	0.001<	0.014		0.005	6.69	1.0	0.0010<W	0.004	1.810
MAXIMUM		19.0		0.032	0.24	0.008	7.21	2.0	0.013	0.025	1.810
ARITH MEAN		9.6		0.022	0.24	0.006	6.82	1 <A	0.004 <A	0.014	1.1 <A
GEOM MEAN				0.021			6.82	1 <A	0.002 <A	0.012	0.6 <A
MINIMUM		0.0		0.014	0.24	0.005	6.61	0.2	0.0010	0.004	0.1
STD DEV (GEOM *)				0.007			0.26	1 <A	0.005 <A	0.009	0.9 <A
# SAMP IN STATISTICS		5		5	1	2	5	5	5	5	5
% SAMP (EXCLUDED)						60					

B.O.W./ SITE: AGAWA RIVER  
SAMPLE POINT: AT HIGHWAY 17  
STATION TYPE: RIVER

STATION ID: 01-0012-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE SUPERIOR  
TERM STREAM: AGAWA RIVER

STORET CODE: 02  
001  
0470

LAT: 47 21 31.63 LONG: 084 38 12.90 U T M: 16 0678450.0 5247525.0 4 REGION: 05 DISTANCE: 0.966

\*=INTERIM TEST-NAME: TURB ZNUT  
ZINC  
UNF.TOT.  
MG/L  
AS ZN

SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	TURB'ITY FTU	
820327 1400	33728	0.60	0.020
820525 1030	33734	0.64	0.007
820719 2100	33772	1.10	0.013
820928 1200	33798	0.71	0.011
821130 1130	33827	0.78	0.010
MAXIMUM	1.10	0.020	
ARITH MEAN	0.77	0.012	
GEOM MEAN	0.75	0.011	
MINIMUM	0.60	0.007	
STD DEV (GEOM *)	0.20	0.005	
* SAMP IN STATISTICS	5	5	
% SAMP (EXCLUDED)			

B.O.W./ SITE: MICHIPICOTEN RIVER  
 SAMPLE POINT: HIGHWAY 17 5 MILES SOUTH OF WAWA  
 STATION TYPE: RIVER FLOW GAUGE FED 02BD002

STATION ID: 01-0029-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: MICHIPICOTEN RIVER

STORET CODE: 02  
 001  
 0900

LAT: 47 55 21.00 LONG: 084 48 17.20

U T M: 16 0664000.0 5309800.0 4

REGION: 05

DISTANCE: 6.115

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CDUT	CLIDUR	COND25	COUT	CRUT
				ALK	ALUMINUM	ARSENIC	CADMIUM	CHLORIDE	CONDUCT.	COBALT	CHROMIUM
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AS AS	AS CD	AS CL	AT 25 C	AS CO	AS CR
820406	1315	33988	0101	32		0.001<	0.0002<	0.55	91		0.001<
820411	0930	33989	0101	13.1		0.001<	0.0002	0.50	49.4	0.001<	0.001<
820525	0915	33990	0101	17.1		0.001<	0.0002				0.001<
820721	0900	33991	0101	25.3		0.001<	0.0002				0.001
821005	0900	33992	0101	26.7		0.001<	0.0002<				0.001<
821102	1015	33993	0101	21.7	0.120	0.001<	0.0002<	0.52	60.5		0.001
821207	1400	33996	0101	23.2		0.001<	0.0002<				0.001<
MAXIMUM		0.30		32	0.120		0.0002	0.55	91		0.001
ARITH MEAN		0.30		23	0.120		0.0002	0.52	67		0.001
GEOM MEAN				22				0.52	65		
MINIMUM		0.30		13.1	0.120		0.0002	0.50	49.4		0.001
STD DEV (GEOM *)				6				0.03	22		
# SAMP IN STATISTICS		7		7	1		3	3	3		2
% SAMP (EXCLUDED)							57				71

*=INTERIM TEST-NAME:		CUUT	DO	FEUT	FWFLOW	FWTEMP	HGUT	NIUT	NNHTFR	NNOTFR	NNO2FR
									NH3-N		
SAMPLE		COPPER	DISOLVED	IRON	STREAM	WATER	MERCURY	NICKEL	TOTAL	NO2+NO3N	NO2-N
DATE	HOUR	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW	TEMP	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC
YYMMDD	LMT	MG/L	MG/L	MG/L	M3	DEG.C	UG/L	MG/L	MG/L	MG/L	MG/L
		AS CU	AS O	AS FE	/S		AS HG	AS NI	AS N	AS N	AS N
820406	1315	33988	0.002	12.00	0.140	69.200	0.0	0.04<	0.004	0.185	0.0015<T
820411	0930	33989	0.001<	11.00	0.175	23.100	0.8	0.04<	0.014	0.205	0.0030
820525	0915	33990	0.003	10.00		32.500	13.0	0.08<	0.020	0.180	0.0030
820721	0900	33991	0.025	11.00		78.800	19.0	0.03<			
821005	0900	33992	0.001	10.00		54.000	12.0	0.05<		0.085	0.0050
821102	1015	33993	0.007	11.00	0.320	68.300	8.0	0.04<	0.012	0.090	0.0030
821207	1400	33996	0.001	11.00		103.000	2.0	0.03<	0.004<T	0.105	0.0020<T
MAXIMUM		0.025	12.00	0.320	103.000	19.0		0.002	0.020	0.205	0.0050
ARITH MEAN		0.006	10.86	0.212	61.271	7.8		0.002	0.011<A	0.142	0.0029<A
GEOM MEAN			10.84	0.199	55.167				0.009<A	0.133	0.0027<A
MINIMUM		0.001	10.00	0.140	23.100	0.0		0.002	0.004	0.085	0.0015
STD DEV (GEOM *)			0.69	0.095	27.382				0.007<A	0.054	0.0012<A
# SAMP IN STATISTICS		6	7	3	7	7		1	5	6	6
% SAMP (EXCLUDED)		14									

(CONT'D)

B.O.W./ SITE: MICHIPICOTEN RIVER  
 SAMPLE POINT: HIGHWAY 17 5 MILES SOUTH OF WAWA  
 STATION TYPE: RIVER FLOW GAUGE FED 02BD002

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: MICHIPICOTEN RIVER

STATION ID: 01-0029-001-02

STORET CODE: 02  
 001  
 0900

LAT: 47 55 21.00 LONG: 084 48 17.20

U T M: 16 0664000.0 5309800.0 4

REGION: 05

DISTANCE: 6.115

*=INTERIM TEST-NAME:		NN03FR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSF	RSP	TURB	
		NO3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR				
SAMPLE		FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	TURB'ITY	
DATE	HOUR	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	FILTERED	PARTIC.	FTU	
YYMMDD	LMT	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	MG/L		
820406	1315	33988	0.185	0.27	0.003<	7.95	3	0.0150	0.026	59.0	0.100<T	0.67
820411	0930	33989	0.200	0.22	0.005	7.04	1.2	0.0005<W	0.008	32.0	7.290	2.30
820525	0915	33990	0.175	0.27	0.003<	6.38		0.0040	0.016			
820721	0900	33991			0.006	7.64		0.0010<T	0.005	45.0	0.435<T	
821005	0900	33992	0.080		0.003<	7.73		0.0015<T	0.013	86.8	3.480	
821102	1015	33993	0.087	0.29	0.003<	7.39	0.6<T	0.0010<W	0.025	39.3	11.700	1.04
821207	1400	33996	0.103	0.240	0.003<	7.51		0.0005<W	0.004	31.1	2.250	
MAXIMUM		0.200	0.29	0.006	7.95	3	0.0150	0.026	86.8	11.700	2.30	
ARITH MEAN		0.138	0.26	0.005	7.38	2 <A	0.0034<A	0.014	48.9	4.209<A	1.34	
GEOM MEAN		0.129	0.26		7.36	1 <A	0.0016<A	0.011	45.6	1.753<A	1.17	
MINIMUM		0.080	0.22	0.005	6.38	0.6	0.0005	0.004	31.1	0.100	0.67	
STD DEV (GEOM *)		0.054	0.03		0.52	1 <A	0.0053<A	0.009	21.2	4.497<A	0.85	
# SAMP IN STATISTICS		6	5	2	7	3	7	7	6	6	3	
% SAMP (EXCLUDED)				71								

*=INTERIM TEST-NAME:		ZNUT
		ZINC
SAMPLE		UNF.TOT.
DATE	HOUR	MG/L
YYMMDD	LMT	AS ZN
820406	1315	33988
820411	0930	33989
820525	0915	33990
820721	0900	33991
821005	0900	33992
821102	1015	33993
821207	1400	33996
MAXIMUM		0.012
ARITH MEAN		0.006
GEOM MEAN		
MINIMUM		0.002
STD DEV (GEOM *)		
# SAMP IN STATISTICS		4
% SAMP (EXCLUDED)		42

B.O.W./ SITE: MAGPIE RIVER

SAMPLE POINT: HIGHWAY 17 1 MILE WEST OF WAWA

STATION TYPE: RIVER FLOW GAUGE FED 02BD003

STATION ID: 01-0029-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: MAGPIE RIVER

STORET CODE: 02  
 001  
 0920

LAT: 47 58 51.73 LONG: 084 47 44.14

U T M: 16 0664500.0 5316325.0 4

REGION: 05

DISTANCE: 12.713

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
SAMPLE DATE	YEAR MONTH DAY	SAMPLE DEPTH	PROJECT SUB-PROJ CODE	TOTAL MG/L AS CAC03	UNF.TOT. MG/L AS AL	UNF.REAC MG/L AS CL	25C UMHO/CM AT 25 C	UNF.TOT. MG/L AS CU	OXYGEN MG/L AS O	UNF.TOT. MG/L AS FE	FLOW M3 /S
820406	1150	33975	0101	47		1.00	156	0.006	13.00		10.700
820411	1000	33976	0101	26.4	0.110	1.10	84.1	0.002	11.00	0.135	15.200
820525	0945	33977	0101	33.1	0.008	1.15	96.5	0.005	12.00	0.455	54.100
MAXIMUM		0.30		47	0.110	1.80	156	0.006	13.00	0.455	54.100
ARITH MEAN		0.30		35	0.059	1.35	112	0.004	12.00	0.295	26.667
GEOM MEAN				35	0.030	1.32	108	0.004	11.97	0.248	20.645
MINIMUM		0.30		26.4	0.008	1.10	84.1	0.002	11.00	0.135	10.700
STD DEV (GEOM *)				11	0.072	0.39	38	0.002	1.00	0.226	23.864
# SAMP IN STATISTICS		3		3	2	3	3	3	3	2	3
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PHNOL
			NICKEL	NH3-N				K'DAHL N	LEAD		PHENOLS
SAMPLE DATE	YEAR MONTH DAY	WATER TEMP DEG.C	UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	PH	UNF-REAC UG/L PHENOL
820406	1150	33975	0.0	0.002	0.365	0.0010<T	0.365	0.33	0.019	8.00	2
820411	1000	33976	0.8	0.004<T					0.003<	7.29	0.8
820525	0945	33977	12.0	0.001<	0.026				0.004	6.68	1.2
MAXIMUM		12.0	0.001	0.026	0.365	0.0010	0.365	0.33	0.019	8.00	2
ARITH MEAN		4.3	0.001	0.011<A	0.365	0.0010<A	0.365	0.33	0.011	7.32	1
GEOM MEAN				0.006<A						7.30	1
MINIMUM		0.0	0.001	0.002	0.365	0.0010	0.365	0.33	0.004	6.68	0.8
STD DEV (GEOM *)				0.013<A						0.66	1
# SAMP IN STATISTICS		3	1	3	1	1	1	1	2	3	3
% SAMP (EXCLUDED)			50						33		

B.O.W./ SITE: MAGPIE RIVER  
SAMPLE POINT: HIGHWAY 17 1 MILE WEST OF WAWA  
STATION TYPE: RIVER FLOW GAUGE FED 02BD003

STATION ID: 01-0029-002-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE SUPERIOR  
TERM STREAM: MAGPIE RIVER

STORET CODE: 02  
001  
0920

LAT: 47 58 51.73 LONG: 084 47 44.14

U T M: 16 0664500.0 5316325.0 4

REGION: 05

DISTANCE: 12.713

*INTERIM TEST-NAME:		PP04FR	PPUT	RSP	TURB	ZNUT
		P04	PHOSPHOR			ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE		UNF.TOT.
DATE	HR	MG/L	MG/L	PARTIC.	TURB'ITY	MG/L
YYMMDD	LMT	AS P	AS P	MG/L	FTU	AS ZN
820406	1150	33975	0.0030	0.028	1.17	0.015
820411	1000	33976	0.0050<T	0.008	2.120	0.002
820525	0945	33977	0.0010<T	0.020	12.800	0.007
MAXIMUM		0.0050	0.028	12.800	3.20	0.015
ARITH MEAN		0.0030<A	0.019	7.460	1.97	0.008
GEOM MEAN		0.0025<A	0.016	5.209	1.79	0.006
MINIMUM		0.0010	0.008	2.120	1.17	0.002
STD DEV (GEOM *)		0.0020<A	0.010	7.552	1.08	0.007
# SAMP IN STATISTICS		3	3	2	3	3
% SAMP (EXCLUDED)						

B.O.W./ SITE: MAGPIE RIVER

SAMPLE POINT: AT BRIDGE DOWNSTREAM FROM MISSION FALLS

STATION TYPE: RIVER FLOW GAUGE FED 02BD003

STATION ID: 01-0029-005-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE SUPERIOR

TERM STREAM: MAGPIE RIVER

STORET CODE: 02

001

0920

LAT: 47 56 21.00 LONG: 084 49 46.25 U T M: 16 0662100.0 5311600.0 4 REGION: 05 DISTANCE: 2.092

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW	FWTEMP
				ALK	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM	
				TOTAL	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW	WATER
SAMPLE		SAMPLE	PROJECT	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3	TEMP
DATE	HOUR	DEPTH	SUB-PROJ	AS CAC03	AS CL	AT 25 C	AS CU	AS O	AS FE	/S	DEG.C
YYMMDD	LMT	NUMBER	CODE								
820721	0830	33978	0101	35.3	1.15	105.0	0.071	11.00	0.170	61.000	18.0
821005	0915	33980	0101	41.2	1.30	121.0	0.002	12.00	0.110	33.900	11.0
821018		33982	0101	35.6	1.16	104.0	0.002	11.00	0.135	60.400	9.0
821027	0845	33984	0101	35.6	0.95	96.0		12.00	0.275	78.400	6.0
821102	0930	33986	0101	35.1	0.86	98.8	0.001	12.00	0.125	72.900	6.0
821207	1415	33994	0101	35.3	1.00	100.6	0.001<	12.00	0.090	51.600	1.0
MAXIMUM		0.30		41.2	1.30	121.0	0.071	12.00	0.275	78.400	18.0
ARITH MEAN		0.30		36.3	1.07	104.2	0.019	11.67	0.151	59.700	8.5
GEOM MEAN				36.3	1.06	103.9		11.66	0.141	57.682	6.3
MINIMUM		0.30		35.1	0.86	96.0	0.001	11.00	0.090	33.900	1.0
STD DEV (GEOM *)				2.4	0.16	8.9		0.52	0.066	15.858	5.8
# SAMP IN STATISTICS		6		6	6	6	4	6	6	6	6
% SAMP (EXCLUDED)							20				

*=INTERIM TEST-NAME:		NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PP04FR	PPUT	RSP	SS04UR	
		NICKEL	NH3-N		K'DAHL N	LEAD		P04	PHOSPHOR		SULPHATE	
		UNF.TOT.	TOTAL	NO2+NO3N	TOTAL	UNF.TOT.		FIL.REAC	UNF.TOT.	RESIDUE	UNF.REAC	
SAMPLE		MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L	PARTIC.	MG/L	
DATE	HOUR	AS NI	AS N	AS N	AS N	AS PB	PH	AS P	AS P	MG/L	AS S04	
YYMMDD	LMT	NUMBER										
820721	0830	33978	0.001	0.030	0.050	0.49	0.014	7.76	0.0005<T	0.032	3.060	13.2
821005	0915	33980	0.001<	0.014	0.075	0.25	0.003<	7.99	0.0020<W	0.012	2.720	14.3
821018		33982	0.001<	0.002<T	0.090	0.36	0.003<	7.68	0.0020<T	0.026	3.150	11.9
821027	0845	33984		0.018	0.090	0.32		7.77	0.0015<T	0.015	6.220	11.6
821102	0930	33986	0.001<	0.004<T	0.090	0.25	0.003<	7.72	0.0025<T	0.011	3.660	11.1
821207	1415	33994	0.002<	0.002<T	0.115	0.400	0.003<	7.85	0.0010<T	0.008	1.950	11.76
MAXIMUM		0.001	0.030	0.115	0.49	0.014	7.99	0.0025	0.032	6.220	14.3	
ARITH MEAN		0.001	0.012<A	0.085	0.34	0.014	7.79	0.0016<A	0.017	3.460	12.3	
GEOM MEAN			0.007<A	0.082	0.33		7.79	0.0014<A	0.015	3.243	12.3	
MINIMUM		0.001	0.002	0.050	0.25	0.014	7.68	0.0005	0.008	1.950	11.1	
STD DEV (GEOM *)			0.011<A	0.021	0.09		0.11	0.0007<A	0.010	1.466	1.2	
# SAMP IN STATISTICS		1	6	6	6	1	6	6	6	6	6	
% SAMP (EXCLUDED)		80				80						

(CONT'D)



B.O.W./ SITE: MAGPIE RIVER

SAMPLE POINT: AT BRIDGE DOWNSTREAM FROM MISSION FALLS

STATION TYPE: RIVER FLOW GAUGE FED 02BD003

STATION ID: 01-0029-005-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE SUPERIOR  
TERM STREAM: MAGPIE RIVERSTORET CODE: 02  
001  
0920

LAT: 47 56 21.00 LONG: 084 49 46.25

U T M: 16 0662100.0 5311600.0 4

REGION: 05

DISTANCE: 2.092

*=INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HOUR	SAMPLE	MG/L
YYMMDD	LMT	NUMBER	AS ZN
		TURB'ITY	
		FTU	
820721	0830	33978	0.81
821005	0915	33980	1.02
821018		33982	1.58
821027	0845	33984	1.22
821102	0930	33986	2.30
821207	1415	33994	0.71
MAXIMUM		2.30	0.016
ARITH MEAN		1.27	0.005
GEOM MEAN		1.17	
MINIMUM		0.71	0.001
STD DEV (GEOM *)		0.59	
# SAMP IN STATISTICS		6	4
% SAMP (EXCLUDED)			20

B.O.W./ SITE: MAGPIE RIVER  
 SAMPLE POINT: UPSTREAM OF WAWA LAGOONS  
 STATION TYPE: RIVER

STATION ID: 01-0029-006-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: MAGPIE RIVER

STORET CODE: 02  
 001  
 0920

LAT: 47 59 18.15 LONG: 078 47 28.54 U T M: 17 0664800.0 5317150.0 4 REGION: 05 DISTANCE: 13.358

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CUUT	DO	FEUT	FWTEMP	NIUT
				ALK	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON		NICKEL
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	WATER	UNF.TOT.
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	TEMP	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS CL	AT 25 C	AS CU	AS O	AS FE	DEG.C	AS NI
820721	0845	33979	0101	34.5	1.00	102.0	0.052	10.00	0.155	18.0	0.001
821005	0845	33981	0101	39.3	1.20	115.0	0.002	12.00	0.080	11.0	0.006
821018	0915	33983	0101	34.8	0.90	101.0	0.002	12.00	0.110	9.0	0.001
821027	0900	33985	0101	32.7	0.98	98.5	0.002	12.00	0.150	6.0	0.001
821102	0945	33987	0101	33.9	0.84	96.9	0.003	12.00	0.115	6.0	0.001<
821207	1430	33995	0101	38.3	1.48	112.0	0.001<	12.00	3.075	1.0	0.002<

MAXIMUM	0.30	39.3	1.48	115.0	0.052	12.00	3.075	18.0	0.006
ARITH MEAN	0.30	35.6	1.07	104.2	0.012	11.67	0.614	8.5	0.002
GEOM MEAN		35.5	1.05	104.0		11.64	0.204	6.3	
MINIMUM	0.30	32.7	0.84	96.9	0.002	10.00	0.080	1.0	0.001
STD DEV (GEOM *)		2.6	0.24	7.5		0.82	1.206	5.8	
# SAMP IN STATISTICS	6	6	6	6	5	6	6	6	4
% SAMP (EXCLUDED)					16				33

*INTERIM TEST-NAME:		NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PP04FR	PPUT	RSP	SS04UR	TURB	
		NH3-N		K'DAHL N			P04	PHOSPHOR		SULPHATE		
		TOTAL	NO2+NO3N	TOTAL	LEAD					UNF.REAC		
SAMPLE		FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		FIL.REAC	UNF.TOT.	RESIDUE	MG/L	TURB'ITY	
DATE	HR	MG/L	MG/L	MG/L	MG/L	PH	MG/L	MG/L	PARTIC.	AS S04	FTU	
YYMMDD	LMT	AS N	AS N	AS N	AS PB		AS P	AS P	MG/L			
820721	0845	33979	0.024	0.035	0.35	0.008	7.77	0.0005<M	0.012	2.770	13.1	0.73
821005	0845	33981	0.014	0.065	0.41	0.003	7.90	0.0010<T	0.009	1.370	13.5	0.65
821018	0915	33983	0.006	0.055	0.33	0.003<	7.77	0.0010<T	0.010	2.330	11.7	1.18
821027	0900	33985	0.010	0.095	0.36	0.003<	7.57	0.0015<T	0.014	3.040	11.9	1.07
821102	0945	33987	0.002<T	0.065	0.26	0.003<	7.73	0.0010<T	0.007	2.190	10.8	0.77
821207	1430	33995	0.002<T	0.260	0.675	0.003<	7.37	0.0150	0.110	66.400	12.57	7.20

MAXIMUM	0.024	0.260	0.675	0.008	7.90	0.0150	0.110	66.400	13.5	7.20
ARITH MEAN	0.010<A	0.096	0.40	0.005	7.68	0.0033<A	0.027	13.017	12.3	1.93
GEOM MEAN	0.007<A	0.077	0.38		7.68	0.0015<A	0.015	3.969	12.2	1.22
MINIMUM	0.002	0.035	0.26	0.003	7.37	0.0005	0.007	1.370	10.8	0.65
STD DEV (GEOM *)	0.008<A	0.083	0.14		0.19	0.0057<A	0.041	26.159	1.0	2.59
# SAMP IN STATISTICS	6	6	6	2	6	6	6	6	6	6
% SAMP (EXCLUDED)				66						

B.O.W./ SITE: MAGPIE RIVER  
SAMPLE POINT: UPSTREAM OF WAWA LAGOONS  
STATION TYPE: RIVER

STATION ID: 01-0029-006-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE SUPERIOR  
TERM STREAM: MAGPIE RIVER

STORET CODE: 02  
001  
0920

LAT: 47 59 18.15 LONG: 078 47 28.54 U T M: 17 0664800.0 5317150.0 4 REGION: 05 DISTANCE: 13.358

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
SAMPLE UNF.TOT.  
DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN

820721	0845	33979	0.015
821005	0845	33981	0.005
821018	0915	33983	0.003
821027	0900	33985	0.004
821102	0945	33987	0.002
821207	1430	33995	0.001

MAXIMUM 0.015  
ARITH MEAN 0.005  
GEOM MEAN 0.003  
MINIMUM 0.001

STD DEV (GEOM \*) 0.005  
# SAMP IN STATISTICS 6  
% SAMP (EXCLUDED)

B.O.W./ SITE: BOYNE RIVER

SAMPLE POINT: OTTER LAKE OUTLET SOUTH OF PARRY SOUND

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: BOYNE RIVER

STORET CODE: 02

002

3500

STATION ID: 03-0096-002-02

LAT: 45 18 08.35

LONG: 079 57 14.33

U T M: 17 0582010.0 5016850.0 4

REGION: 05

DISTANCE: 10.943

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CCNAUR CYANIDE AVAIL	COD	COND25	CRUT	CUUT	DO	FEUT	
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	UNF.REAC MG/L AS HCN	CHEM. OX DEMAND MG/L AS O	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE
820203	1345	32200	0.30	0101	17	0.005<T	18	54			10.00	0.08
820309	1400	32201	0.30	0101	6	0.005<T	14	42			11.00	0.05
820607	1400	32203	0.30	0101	7.5			48.3	0.003	0.001	8.00	0.070
820804	1400	32204	0.30	0101	11.0			52.6	0.001	0.002	8.00	0.095
820930	1330	32205	0.30	0101	11.0			57.8	0.003	0.001<	9.00	0.065
821115	1345	32206	0.30	0101	8.5			49.0	0.001<	0.002	9.00	0.085
821222		12020	0.30	0101	7.6			43.8	0.001<	0.001<	9.00	0.075
MAXIMUM		0.30			17	0.005	18	57.8	0.003	0.002	11.00	0.095
ARITH MEAN		0.30			10	0.005<A	16	50	0.002	0.002	9.14	0.07
GEOM MEAN					9	0.005<A	16	49			9.09	0.07
MINIMUM		0.30			6	0.005	14	42	0.001	0.001	8.00	0.05
STD DEV (GEOM *)					4	0.000<A	3	6			1.07	0.01
# SAMP IN STATISTICS		7			7	2	2	7	3	3	7	7
% SAMP (EXCLUDED)									40	40		

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PPUT	
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.TOT. MG/L AS PB	LEAD UNF.TOT. MG/L AS PB	PHENOLS UNF-REAC UG/L PHENOL	PHOSPHOR UNF.TOT. MG/L AS P	
820203	1345	32200	8 6	0.5		0.034		0.22		7.20	1<T	0.120
820309	1400	32201	8	0.5		0.086		0.28		6.62	1<T	0.123
820607	1400	32203	8 6	17.0	0.002<		0.035	0.25	0.003<	6.91		0.010
820804	1400	32204	8 6	20.0	0.001<		0.005<W	0.29	0.012	7.08		0.009
820930	1330	32205	8 6	17.0	0.001<		0.015		0.007	6.98		
821115	1345	32206	3	3.5	0.001<		0.040	0.230	0.005	6.76		0.011
821222		12020	3	1.0	0.001<		0.075	0.250	0.003	6.88		0.011
MAXIMUM				20.0		0.086	0.075	0.29	0.012	7.20	1	0.123
ARITH MEAN				8.5		0.060	0.034<A	0.25	0.007	6.92	1<A	0.047
GEOM MEAN				3.4		0.054	0.024<A	0.25		6.92	1<A	0.023
MINIMUM				0.5		0.034	0.005	0.22	0.003	6.62	1	0.009
STD DEV (GEOM *)				9.0		0.037	0.027<A	0.03		0.19	0<A	0.057
# SAMP IN STATISTICS				7		2	5	6	4	7	2	6
% SAMP (EXCLUDED)									20			

(CONT'D)

B.O.W./ SITE: BOYNE RIVER

STATION ID: 03-0096-002-02

SAMPLE POINT: OTTER LAKE OUTLET SOUTH OF PARRY SOUND

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: BOYNE RIVER

3500

LAT: 45 18 08.35 LONG: 079 57 14.33

U T M: 17 0582010.0 5016850.0 4

REGION: 05

DISTANCE: 10.943

*=INTERIM TEST-NAME:		RSF	RSP	SS04UR	TURB	ZNUT
		RESIDUE	RESIDUE	SULPHATE		ZINC
SAMPLE		RESIDUE	RESIDUE	UNF.REAC		UNF.TOT.
DATE	HR	DATE	HR	DATE	HR	DATE
YYMMDD	LMT	YYMMDD	LMT	YYMMDD	LMT	YYMMDD
		NUMBER	NUMBER	MG/L	FTU	MG/L
		MG/L	MG/L	AS S04		AS ZN
820203	1345	32200	35	0.4	9.5	
820309	1400	32201	27	1.0	9.0	
820607	1400	32203			8.6	0.73
820804	1400	32204			8.4	0.77
820930	1330	32205			9.1	0.75
821115	1345	32206			9.96	1.18
821222		12020			8.09	1.24
		MAXIMUM	35	1.0	9.96	1.24
		ARITH MEAN	31	0.7	8.9	0.93
		GEOM MEAN	31	0.6	8.9	0.91
		MINIMUM	27	0.4	8.09	0.73
		STD DEV (GEOM *)	6	0.4	0.6	0.25
		# SAMP IN STATISTICS	2	2	7	5
		% SAMP (EXCLUDED)				

B.O.W./ SITE: MC CURRY LAKE OUTLET  
 SAMPLE POINT: EMIL STREET PARRY SOUND  
 STATION TYPE: RIVER

STATION ID: 03-0097-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM-STREAM: MC CURRY LAKE

STORET CODE: 02  
 002  
 3710

LAT: 45 19 50.92 LONG: 080 01 11.79 U T M: 17 0576800.0 5019950.0 4 REGION: 05 DISTANCE: 0.322

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CUUT	DO	FCMF	FEUT	FSMF
									FECAL	IRON	FECAL
									COLIFORM	UNF.TOT.	STREPCUS
									MF	MG/L	MF
									CNT	AS FE	CNT
									/100ML		/100ML
SAMPLE		SAMPLE	PROJECT	ALK	CHLORIDE	CONDUCT.	COPPER	DISOLVED			
DATE	HOUR	DEPTH	SUB-PROJ	TOTAL	UNF.REAC	25C	UNF.TOT.	OXYGEN			
YYMMDD	LMT	M	CODE	MG/L	MG/L	UMHO/CM	MG/L	MG/L			
				AS CAC03	AS CL	AT 25 C	AS CU	AS O			
820129	1000	32240	0101	15	111.00	570	0.024	11.00			
820308	1530	32291	0101	22	146.00	738	0.015	9.50	10<		
820313	1405	32243	0101	58.7	93.50	482.0	0.004	6.00	40<=>	2.132	680
820406	1500	32242	0101	51	138.00	670	0.006	11.00	30<=>		
820722	1100	2	0101	62.6	111.00	525.0		5.00		1.850	
821115	1430	32244	0101	54.8	70.00	435.0	0.004		20<	0.435	
821222	12000	0.30	0101	58.2	97.00	559.0	0.008	12.00	10<=>	0.255	
	MAXIMUM	0.30		62.6	146.00	738	0.024	12.00	40	2.132	680
	ARITH MEAN	0.30		46	109.50	568	0.010	9.08	27	1.168	680
	GEOM MEAN			41	106.71	560	0.008	8.63		0.813	
	MINIMUM	0.30		15	70.00	435.0	0.004	5.00	10	0.255	680
	STD DEV (GEOM *)			19	26.21	105	0.008	2.91		0.960	
	# SAMP IN STATISTICS	7		7	7	7	6	6	3	4	1
	% SAMP (EXCLUDED)								40		

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH
					NH3-N				K'DAHL N		
					TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD	
					FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
					AS N	AS N	AS N	AS N	AS N	AS PB	PH
SAMPLE		STREAM	WATER	NICKEL							
DATE	HOUR	COND.	TEMP	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
YYMMDD	LMT		DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
				AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	
820129	1000	32240	4	0.5	2.080	10.500	2.700	7.800	0.29	0.003<	5.93
820308	1530	32291	4	0.0	2.750	11.000	4.150	6.850	9.25	0.003<	5.50
820313	1405	32243		18.0	0.003	0.008	4.400		1.12	0.023	7.24
820406	1500	32242	3	2.0	0.006		0.0120		0.83	0.003<	6.61
820722	1100	2		21.0	0.116	4.900			1.11		6.86
821115	1430	32244			0.001	0.012	4.450		0.630	0.003<	6.95
821222	12000	3		1.0	0.007	0.012	7.000		0.740	0.012	6.96
	MAXIMUM		21.0	0.007	2.750	11.000	4.150	7.800	9.25	0.023	7.24
	ARITH MEAN		7.1	0.004	0.712	7.042	2.287	7.325	2.00	0.017	6.58
	GEOM MEAN			0.003	0.064	6.531	0.512	7.310	1.04		6.55
	MINIMUM		0.0	0.001	0.006	4.400	0.0120	6.850	0.29	0.012	5.50
	STD DEV (GEOM *)			0.003	1.180	3.030	2.100	0.672	3.21		0.63
	# SAMP IN STATISTICS		6	3	7	6	3	2	7	2	7
	% SAMP (EXCLUDED)									66	

B.O.W./ SITE: MC CURRY LAKE OUTLET  
 SAMPLE POINT: EMIL STREET PARRY SOUND  
 STATION TYPE: RIVER

STATION ID: 03-0097-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MC CURRY LAKE

STORET CODE: 02  
 002  
 3710

LAT: 45 19 50.92 LONG: 080 01 11.79 U T M: 17 0576800.0 5019950.0 4 REGION: 05 DISTANCE: 0.322

*INTERIM TEST-NAME:		PHNOL	PO4FR	PPUT	RSP	SS04UR	TCMF	TCMFBK	TURB	ZNUT
		PHENOLS	P04	PHOSPHOR		SULPHATE	COLIFORM	COLIFORM		ZINC
SAMPLE		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	UNF.REAC	TOTAL	TOTAL MF		UNF.TOT.
DATE	HR	UG/L	MG/L	MG/L	PARTIC.	MG/L	MF	BCKGRD	TURB'ITY	MG/L
YYMMDD	LMT	PHENOL	AS P	AS P	MG/L	AS S04	CNT	CNT	FTU	AS ZN
820129	1000	32240	2	0.260	0.520				2.40	0.050
820308	1530	32291	2	0.160	0.338		70<=>	440	1.85	0.042
820313	1405	32243		0.5500	0.980	12.400	900<=>	240000>	4.90	0.008
820406	1500	32242	2		0.290		160	340	5.50	0.026
820722	1100	2		0.4400	0.820	9.680	18.4		5.80	
821115	1430	32244		0.1450	0.235	8.440	36.55	1000	1.53	0.011
821222		12000		0.2600	0.330	3.260	34.43	390	1.11	0.020
MAXIMUM		2	0.5500	0.980	12.400	36.55	1000	12000	5.80	0.050
ARITH MEAN		2	0.302	0.502	8.445	28.4	504	3620	3.30	0.026
GEOM MEAN		2	0.269	0.440	7.581	27.3	330		2.75	0.021
MINIMUM		2	0.1450	0.235	3.260	18.4	70	340	1.11	0.008
STD DEV (GEOM *)		0	0.161	0.289	3.832	8.6	3*		2.02	0.017
# SAMP IN STATISTICS		3	6	7	4	4	5	4	7	6
% SAMP (EXCLUDED)								20		

B.O.W./ SITE: MAGNETAWAN RIVER

SAMPLE POINT: AT 1ST.BRIDGE DNSTR.FROM HIGHWAY NO 11

STATION TYPE: RIVER FLOW GAUGE FED 02EA006

STATION ID: 03-0124-001-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: MAGNETAWAN RIVER

STORET CODE: 02

002

4910

LAT: 45 37 18.81 LONG: 079 24 36.31

U T M: 17 0623950.0 5053050.0 4

REGION: 05

DISTANCE: 120.376

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW	FWSTRC
				ALK	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW	COND.
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3	
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS CL	AT 25 C	AS CU	AS O	AS FE	/S	
820321	1330	33006	0101	10	4.55	58	0.005	8.00		8.280	6
820412	1130	33026	0101	11	2.00	44	0.001	13.00	0.280	15.600	6
820502	1000	33041	0101	5.4	1.15	37.3	0.007	9.00	0.340	43.400	6
820607	0900	33076	0101	9.8	2.10	45.8	0.001<	9.00	0.340	3.900	6
820705	1000	33099	0101	9.3	2.00	47.4	0.001<	8.00		4.410	6
820802	0900	33122	0101	11.4	2.00	50.1	0.004	7.00	0.340	0.727	6
820831	1555	33145	0101	11.9	3.90	59.5	0.001<	8.00	0.305	2.760	6
820927	1630	33170	0101	10.9	1.46	49.0	0.001<	8.00	0.305	5.780	6
821017	1230	33185	0101	8.4	1.80	45.3	0.001<	9.00	0.340	9.510	6
821114	1235	33202	0101	8.2	1.75	43.4	0.003	8.00	0.405	14.000	6
MAXIMUM		0.30		11.9	4.55	59.5	0.007	13.00	0.405	43.400	
ARITH MEAN		0.30		10	2.27	48	0.004	8.70	0.332	10.837	
GEOM MEAN				9	2.09	48		8.58	0.330	6.566	
MINIMUM		0.30		5.4	1.15	37.3	0.001	7.00	0.280	0.727	
STD DEV (GEOM *)				2	1.08	7		1.64	0.037	12.400	
# SAMP IN STATISTICS		10		10	10	10	5	10	8	10	
% SAMP (EXCLUDED)							50				

*INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PHNOL
				NH3-N				K'DAHL N			
			NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD		PHENOLS
SAMPLE		WATER	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC
DATE	HOUR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		UG/L
YYMMDD	LMT	DEG.C	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	PHENOL
820321	1330	33006	2.0	0.052	0.230	0.007	0.225	0.38	0.004	7.04	1<T
820412	1130	33026	2.0	0.002<	0.048	0.325		0.32	0.003<	6.78	
820502	1000	33041	10.0	0.001<	0.048	3.270		0.33	0.003<	6.54	
820607	0900	33076	19.0	0.002<	0.058	0.160		0.38	0.003<	7.04	
820705	1000	33099	20.0	0.001<	0.120	0.005<W		0.34	0.006	6.97	
820802	0900	33122	21.0	0.001<	0.084	0.095		0.42	0.004	7.21	
820831	1555	33145	18.0	0.002<	0.028	0.065		0.33	0.003<	7.36	
820927	1630	33170	14.0	0.001	0.030	0.060		0.39	0.003<	7.23	
821017	1230	33185	10.0	0.001<	0.026	0.075		0.35	0.003<	7.11	
821114	1235	33202	2.0	0.001<	0.040	0.165		0.340	0.003<	6.97	
MAXIMUM		21.0	0.001	0.120	0.325	0.007	0.225	0.42	0.006	7.36	1
ARITH MEAN		11.8	0.001	0.053	0.145<A	0.007	0.225	0.36	0.005	7.02	1<A
GEOM MEAN		8.3		0.048	0.097<A			0.36		7.02	
MINIMUM		2.0	0.001	0.026	0.005	0.007	0.225	0.32	0.004	6.54	1
STD DEV (GEOM *)		7.8		0.029	0.104<A			0.03		0.24	
# SAMP IN STATISTICS		10	1	10	10	1	1	10	3	10	1
% SAMP (EXCLUDED)			88					70			

(CONT'D)



B.O.W./ SITE: MAGNETAWAN RIVER  
 SAMPLE POINT: AT 1ST.BRIDGE DNSTR.FROM HIGHWAY NO 11  
 STATION TYPE: RIVER FLOW GAUGE FED 02EA006

STATION ID: 03-0124-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MAGNETAWAN RIVER

STORET CODE: 02  
 002  
 4910

LAT: 45 37 18.81 LONG: 079 24 36.31

U T M: 17 0623950.0 5053050.0 4

REGION: 05

DISTANCE: 120.376

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSP	SS04UR	TURB	ZNUT
		P04	PHOSPHOR		SULPHATE		ZINC
		FIL.REAC	UNF.TOT.	RESIDUE	UNF.REAC		UNF.TOT.
SAMPLE		MG/L	MG/L	PARTIC.	MG/L	TURB'ITY	MG/L
DATE	HR	AS P	AS P	MG/L	AS S04	FTU	AS ZN
YYMMDD	LMT	SAMPLE					
		NUMBER					
820321	1330	33006	0.003	0.017		1.67	0.020
820412	1130	33026	0.0015<T	0.014	1.540	8.0	1.55
820502	1000	33041	0.0010<T	0.017	6.190	7.4	3.70
820607	0900	33076	0.0010<T	0.015	2.030	7.5	1.89
820705	1000	33099	0.001 <T	0.014		7.2	2.10
820802	0900	33122	0.0020<T	0.012	1.810	7.2	1.69
820831	1555	33145	0.0010<T	0.013	1.450	8.0	1.76
820927	1630	33170	0.0010<T	0.010	2.880	7.5	1.54
821017	1230	33185	0.0010<T	0.011	1.850	8.2	1.89
821114	1235	33202	0.0015<T	0.012	3.040	7.98	2.30
MAXIMUM		0.003	0.017	6.190	8.2	3.70	0.020
ARITH MEAN		0.001 <A	0.013	2.599	7.7	2.01	0.008
GEOM MEAN		0.001 <A	0.013	2.314	7.7	1.94	0.006
MINIMUM		0.0010	0.010	1.450	7.2	1.54	0.002
STD DEV (GEOM *)		0.001 <A	0.002	1.564	0.4	0.64	0.006
# SAMP IN STATISTICS		10	10	8	9	10	10
% SAMP (EXCLUDED)							

B.O.W./ SITE: MAGNETAWAN RIVER

SAMPLE POINT: AT HIGHWAY 69

STATION TYPE: RIVER FLOW GAUGE FED 02EA011

STATION ID: 03-0124-003-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: MAGNETAWAN RIVERSTORET CODE: 02  
002  
4910

LAT: 45 46 28.25 LONG: 080 29 49.55

U T M: 17 0539100.0 5068900.0 4

REGION: 05

DISTANCE: 10.460

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ASUT	CDU:	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	ARSENIC	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS AS	AS CD	AS CL	AT 25 C	AS CR	AS CU	AS O
820121	1010	32280	0101	11	0.001<	0.0001<	1.95	41	0.001<	0.001<	12.50
820303	1040	32281	0101	8	0.001<	0.0002<	2.00	45	0.001<	0.003	10.00
820319	1200	32284	0101	13.2			2.05	45.1		0.003	7.00
820330	1405	32282	0101	14	0.001<	0.0002<	1.95	47	0.001<	0.001<	
820528	1115	32283	0101	13.7			1.80	41.0		0.001<	
820719		32283	0101	8.9			1.65	40.9		0.001<	7.00
820810	1410	32283	0101	9.6			1.80	42.3		0.004	8.00
821124	1300	32285	0101	8.0			1.85	41.8		0.006	12.00
821215	1230	32286	0101	10.2			1.86	43.1		0.001	
MAXIMUM		0.30		14			2.05	47		0.006	12.50
ARITH MEAN		0.30		11			1.88	43		0.003	9.42
GEOM MEAN				11			1.88	43			9.15
MINIMUM		0.30		8			1.65	40.9		0.001	7.00
STD DEV (GEOM *)				2			0.12	2			2.46
# SAMP IN STATISTICS		8		9			9	9		5	6
% SAMP (EXCLUDED)										44	

*INTERIM TEST-NAME:		FCMF	FEUT	FSMF	FWFLOW	FWSTRC	FWTEMP	HGUT	NIUT	NNHTFR	NNOTFR
		FECAL	IRON	FECAL	STREAM			MERCURY	NICKEL	TOTAL	NO2+NO3N
SAMPLE		COLIFORM	UNF.TOT.	STREPCUS	FLOW		WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC
DATE	HR	MF	MG/L	MF	M3	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	CNT	AS FE	CNT	/S	COND.	DEG.C	AS HG	AS NI	AS N	AS N
820121	1010	32280	4<	0.27	4<	27.000	0.5	0.02		0.016	0.140
820303	1040	32281	4<	0.28	4<	19.000	0.5	0.02		0.032	0.180
820319	1200	32284	2	0.090	110	48.400	19.0		0.001<	0.026	0.090
820330	1405	32282	4<	0.320	4<	45.100		0.02		0.044	0.210
820528	1115	32283		0.125		27.300	8	0.04	0.001<	0.036	0.185
820719		32283	20	0.080	16	9.350	23.0	0.04	0.001<	0.030	0.090
820810	1410	32283	4<	0.075	16	4.800	20.0	0.04	0.001<	0.032	0.070
821124	1300	32285		0.210		79.900	4.0	0.04	0.001<	0.008	0.175
821215	1230	32286	10<	0.235	10<	96.900		0.03<	0.001	0.016	0.140
MAXIMUM		20	0.320	110	96.900		23.0	0.04	0.001	0.044	0.210
ARITH MEAN		11	0.19	47	39.750		12.0	0.03	0.001	0.027	0.142
GEOM MEAN			0.16		28.013		5.5			0.024	0.134
MINIMUM		2	0.075	16	4.800		0.5	0.02	0.001	0.008	0.070
STD DEV (GEOM *)			0.10		31.375		9.9			0.011	0.050
# SAMP IN STATISTICS		2	9	3	9		7	1		9	9
% SAMP (EXCLUDED)		71		57			12	83			

(CONT'D)

B.O.W./ SITE: MAGNETAWAN RIVER

SAMPLE POINT: AT HIGHWAY 69

STATION TYPE: RIVER FLOW GAUGE FED 02EA011

STATION ID: 03-0124-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MAGNETAWAN RIVER

STORET CODE: 02  
 002  
 4910

LAT: 45 46 28.25 LONG: 080 29 49.55 U T M: 17 0539100.0 5068900.0 4 REGION: 05 DISTANCE: 10.460

*=INTERIM TEST-NAME:		NN02FR	NN03FR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSF	RSP	
		N02-N	N03-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR			
SAMPLE		FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	
DATE	HOUR	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	FILTERED	PARTIC.	
YYMMDD	LMT	AS N	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	MG/L	
820121	1010	32280	0.004	0.135	0.33	0.006	6.95	1<T	0.001	0.018	27	0.3
820303	1040	32281	0.005	0.175	1.15	0.003<	6.97	1<T	0.001	0.008	29	0.5
820319	1200	32284			0.28	0.008	7.10		0.0030	0.004		0.665<T
820330	1405	32282	0.004	0.205	0.33	0.007	7.10	1<T	0.1900	0.232	31	2.8
820528	1115	32283			0.30	0.003<	6.90		0.0030<T	0.014		0.670<T
820719		32283			0.37	0.003<	7.06		0.0015<T	0.006		0.990<T
820810	1410	32283			0.29	0.003<	7.10		0.0025<T	0.005		0.780<T
821124	1300	32285			0.230	0.003<	7.37		0.0015	0.011		2.060
821215	1230	32286			0.590	0.003<	7.06		0.0010<T	0.012		1.200
MAXIMUM		0.005	0.205	1.15	0.008	7.37	1	0.1900	0.232	31	2.8	
ARITH MEAN		0.004	0.172	0.43	0.007	7.07	1<A	0.023 <A	0.034	29	1.1 <A	
GEOM MEAN		0.004	0.169	0.38		7.07	1<A	0.003 <A	0.012	29	0.9 <A	
MINIMUM		0.004	0.135	0.230	0.006	6.90	1	0.001	0.004	27	0.3	
STD DEV (GEOM *)		0.001	0.035	0.29		0.14	0<A	0.063 <A	0.074	2	0.8 <A	
# SAMP IN STATISTICS		3	3	9	3	9	3	9	9	3	9	
% SAMP (EXCLUDED)					66							

*=INTERIM TEST-NAME:		SS04UR	TCMF	TCMFBK	TURB	ZNUT
		SULPHATE	COLIFORM	COLIFORM		ZINC
SAMPLE		UNF.REAC	TOTAL	TOTAL MF		UNF.TOT.
DATE	HOUR	MG/L	MF	BCKGRD		MG/L
YYMMDD	LMT	AS S04	CNT	CNT	TURB'ITY	AS ZN
			/100ML	/100ML	FTU	
820121	1010	32280			1.03	0.004
820303	1040	32281			0.86	0.004
820319	1200	32284	6.7	16<=>	0.98	0.002
820330	1405	32282		960	1.36	0.006
820528	1115	32283	6.8		1.19	0.002
820719		32283	7.2		0.74	0.002
820810	1410	32283	6.7		0.94	0.001
821124	1300	32285	7.20		0.94	0.004
821215	1230	32286	7.56		0.96	0.003
MAXIMUM		7.56	16	960	1.36	0.041
ARITH MEAN		7.0	16	960	1.00	0.007
GEOM MEAN		7.0			0.99	0.004
MINIMUM		6.7	16	960	0.74	0.001
STD DEV (GEOM *)		0.3			0.18	0.013
# SAMP IN STATISTICS		6	1	1	9	9
% SAMP (EXCLUDED)						

B.O.W./ SITE: BERNARD CREEK  
 SAMPLE POINT: 1ST.BRIDGE DNSTR.FROM SUNDRIDGE LAGOON  
 STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MAGNETAWAN RIVER

STORET CODE: 02  
 002  
 4910

LAT: 45 42 38.82 LONG: 079 25 36.62 U T M: 17 0622450.0 5062900.0 4 REGION: 05 DISTANCE: 133.089

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP
				ALK	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON		
SAMPLE DATE	TIME	SAMPLE DEPTH	PROJECT SUB-PROJ	TOTAL MG/L	UNF.REAC MG/L	25C UMHO/CM	UNF.TOT. MG/L	OXYGEN MG/L	UNF.TOT. MG/L	STREAM COND.	WATER TEMP DEG.C
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS CL	AT 25 C	AS CU	AS O	AS FE		
820321	1450	33008	0101	10	6.05	63	0.006	10.00		6	2.0
820412	1230	33028	0101	8	4.95	57	0.002	10.00	0.070	6	2.0
820502	1100	33043	0101	7.2	5.75	56.4	0.002	9.00	0.140	6	9.0
820607	1000	33078	0101	9.1	5.50	57.9	0.001	8.00	0.175	6	18.0
820705	1100	33101	0101	9.4	5.50	57.6	0.001<	7.00	0.110	6	19.0
820802	1000	33124	0101	11.0	5.50	58.9	0.005	7.00	0.430	6	19.0
820831	1655	33147	0101	9.8	5.05	61.3	0.003	8.00	0.230	6	16.0
820927	1730	33172	0101	9.2	5.20	57.4	0.001<	8.00	0.235	6	14.0
821017	1330	33187	0101	8.7	5.66	56.3	0.001<	6.00	0.070	6	8.0
821114	1330	33204	0101	10.0	5.87	58.5	0.001<	9.00	0.070	6	2.0
MAXIMUM		0.30		11.0	6.05	63	0.006	10.00	0.430		19.0
ARITH MEAN		0.30		9	5.50	58	0.003	8.20	0.170		10.9
GEOM MEAN				9	5.49	58		8.10	0.141		7.8
MINIMUM		0.30		7.2	4.95	56.3	0.001	6.00	0.070		2.0
STD DEV (GEOM *)				1	0.35	2		1.32	0.117		7.2
# SAMP IN STATISTICS		10		10	10	10	6	10	9		10
% SAMP (EXCLUDED)							40				

*INTERIM TEST-NAME:		NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PHNOL	PP04FR
		NICKEL	NH3-N	TOTAL	NO2-N	NO3-N	K'DAHL N	LEAD		PHENOLS	P04
SAMPLE DATE	TIME	UNF.TOT. MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.TOT. MG/L	UNF.TOT. MG/L		UNF-REAC UG/L	FIL.REAC MG/L
YYMMDD	LMT	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	PHENOL	AS P
820321	1450		0.058	0.125	0.001	0.125	0.29	0.003	7.10	1<T	0.012
820412	1230	0.002<	0.014	0.115			0.30	0.003<	6.71		0.0010<T
820502	1100	0.001<	0.060	0.090			0.30	0.003<	6.58		0.0050
820607	1000	0.002<	0.042	0.005<T			0.33	0.006	7.18		0.0020<T
820705	1100	0.001<	0.036	0.005<T			0.30	0.003<	7.01		0.0005<T
820802	1000	0.001<	0.062	0.005<T			0.39	0.006	7.07		0.0010<T
820831	1655	0.002<	0.050	0.005<W			0.47	0.003<	7.26		0.0015<T
820927	1730	0.001<	0.064	0.005<W			0.34	0.003<	7.12		0.0025<T
821017	1330	0.001<	0.030	0.005<W			0.30	0.003<	7.14		0.0010<T
821114	1330	0.001<	0.054	0.060			0.300	0.003<	6.15		0.0035
MAXIMUM			0.064	0.125	0.001	0.125	0.47	0.006	7.26	1	0.012
ARITH MEAN			0.047	0.042<A	0.001	0.125	0.33	0.005	6.93	1<A	0.003 <A
GEOM MEAN			0.043	0.016<A			0.33		6.92		0.002 <A
MINIMUM			0.014	0.005	0.001	0.125	0.29	0.003	6.15	1	0.0005
STD DEV (GEOM *)			0.016	0.051<A			0.06		0.35		0.003 <A
# SAMP IN STATISTICS			10	10	1	1	10	3	10	1	10
% SAMP (EXCLUDED)								70			

( C O N T D )

B.O.W./ SITE: BERNARD CREEK  
 SAMPLE POINT: 1ST.BRIDGE DNSTR.FROM SUNDRIDGE LAGOON  
 STATION TYPE: RIVER

STATION ID: 03-0124-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MAGNETAWAN RIVER

STORET CODE: 02  
 002  
 4910

LAT: 45 42 38.82 LONG: 079 25 36.62 U T M: 17 06224! 0.0 5062900.0 4 REGION: 05 DISTANCE: 133.089

*-INTERIM TEST-NAME:			PPUT	RSP	SS04UR	TURB	ZNUT
			PHOSPHOR		SULPHATE		ZINC
SAMPLE			UNF.TOT.	RESIDUE	UNF.REAC		UNF.TOT.
DATE	HOUR	SAMPLE	MG/L	PARTIC.	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	NUMBER	AS P	MG/L	AS S04	FTU	AS ZN
820321	1450	33008	0.023			0.87	0.021
820412	1230	33028	0.011	0.680	7.8	0.63	0.011
820502	1100	33043	0.017	1.560	8.1	1.35	0.005
820607	1000	33078	0.019		7.4	1.88	0.006
820705	1100	33101	0.012	1.530	7.5	1.15	0.001<
820802	1000	33124	0.024	3.600	6.8	2.80	0.015
820831	1655	33147	0.024	2.540	8.7	1.62	0.007
820927	1730	33172	0.019	3.660	7.6	1.29	0.003
821017	1330	33187	0.011	0.950	7.8	0.87	0.002
821114	1330	33204	0.015	1.660	7.72	0.79	0.002
MAXIMUM			0.024	3.660	8.7	2.80	0.021
ARITH MEAN			0.017	2.022	7.7	1.32	0.008
GEOM MEAN			0.017	1.744	7.7	1.20	
MINIMUM			0.011	0.680	6.8	0.63	0.002
STD DEV (GEOM *)			0.005	1.133	0.5	0.65	
# SAMP IN STATISTICS			10	8	9	10	9
% SAMP (EXCLUDED)							10

B.O.W./ SITE: BERNARD CREEK  
 SAMPLE POINT: AT HIGHWAY NO. 520  
 STATION TYPE: RIVER

STATION ID: 03-0124-005-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MAGNETAWAN RIVER

STORET CODE: 02  
 002  
 4910

LAT: 45 36 25.79 LONG: 079 27 06.69 U T M: 17 0620725.0 5051350.0 4 REGION: 05 DISTANCE: 116.191

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COD	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	CHLORIDE	CHEM. OX	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.REAC	DEMAND	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT	M	CODE	AS CAC03	AS CL	AS O	AT 25 C	AS CU	AS O	AS FE	COND.
820321	1400	33007	0101	12		20	98	0.003	10.00	0.530	6
820412	1200	33027	0101		6.95		66		10.00		6
820502	1030	33042	0101		6.00		56.0		10.00		6
820607	0930	33077	0101		5.30		62.4		8.00		6
820705	1015	33100	0101		5.55		60.5		7.00		6
820802	0920	33123	0101		7.20		78.7		7.00		6
820831	1615	33146	0101		7.60		86.4		6.00		6
820927	1700	33171	0101		5.76		66.2		8.00		6
821017	1300	33186	0101		5.60		60.9		6.00		6
821114	1305	33203	0101		4.35		51.7		9.00		6
MAXIMUM		0.30		12	7.60	20	98	0.003	10.00	0.530	
ARITH MEAN		0.30		12	6.03	20	69	0.003	8.10	0.530	
GEOM MEAN					5.96		67		7.96		
MINIMUM		0.30		12	4.35	20	51.7	0.003	6.00	0.530	
STD DEV (GEOM *)					1.03		15		1.60		
# SAMP IN STATISTICS		10		1	9	1	10	1	10	1	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NAUR	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PHNOL	
				NH3-N				K'DAHL N				
SAMPLE			SODIUM	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD		PHENOLS	
DATE	HR	WATER	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	
YYMMDD	LMT	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		UG/L	
		DEG.C	AS NA	AS N	AS N	AS N	AS N	AS N	AS PB	PH	PHENOL	
820321	1400	33007	2.0	9.2	0.112	0.305	0.006	0.300	0.50	0.006	6.88	1<T
820412	1200	33027	2.0		0.040	0.240		0.42			6.68	
820502	1030	33042	10.0		0.056	0.140		0.48			6.60	
820607	0930	33077	18.0		0.048	0.070		0.34			7.13	
820705	1015	33100	19.0		0.070	0.070		0.33			7.18	
820802	0920	33123	20.0		0.046	0.045		0.33			7.14	
820831	1615	33146	16.0		0.034	0.090		0.41			7.43	
820927	1700	33171	14.0		0.028	0.025		0.33			7.35	
821017	1300	33186	8.0		0.020	0.040		0.38			6.13	
821114	1305	33203	2.0		0.020	0.175		0.450			6.87	
MAXIMUM		20.0	9.2	0.112	0.305	0.006	0.300	0.50	0.006	7.43	1	
ARITH MEAN		11.1	9.2	0.047	0.120	0.006	0.300	0.40	0.006	6.94	1<A	
GEOM MEAN		7.9		0.041	0.090			0.39			6.93	
MINIMUM		2.0	9.2	0.020	0.025	0.006	0.300	0.33	0.006	6.13	1	
STD DEV (GEOM *)		7.3		0.028	0.094			0.06			0.39	
# SAMP IN STATISTICS		10	1	10	10	1	1	10	1	10	1	
% SAMP (EXCLUDED)												

( C O N T D )

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 24

B.O.W./ SITE: BERNARD CREEK  
 SAMPLE POINT: AT HIGHWAY NO. 520  
 STATION TYPE: RIVER

STATION ID: 03-0124-005-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MAGNETAWAN RIVER

STORET CODE: 02  
 002  
 4910

LAT: 45 36 25.79 LONG: 079 27 06.69 U T M: 17 0620725.0 5051350.0 4 REGION: 05 DISTANCE: 116.191

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSF	RSP	TURB	ZNUT	
		PO4	PHOSPHOR				ZINC	
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	TURB'ITY	UNF.TOT.	
DATE	HOUR	MG/L	MG/L	FILTERED	PARTIC.	FTU	MG/L	
YYMMDD	LMT	AS P	AS P	MG/L	MG/L		AS ZN	
820321	1400	33007	0.005	0.027	64	5.0	2.00	0.013
820412	1200	33027	0.0020<T	0.039		23.500	12.90	
820502	1030	33042	0.0100	0.050		17.600	9.10	
820607	0930	33077	0.0030	0.028		4.290	4.30	
820705	1015	33100	0.0040	0.028		6.02	5.90	
820802	0920	33123	0.0040	0.032		3.700	3.40	
820831	1615	33146	0.0030	0.023		5.290	4.90	
820927	1700	33171	0.0010<T	0.020		7.330	4.60	
821017	1300	33186	0.0020<T	0.020		8.240	3.90	
821114	1305	33203	0.0015<T	0.036		20.000	9.00	
MAXIMUM		0.0100	0.050	64	23.500	12.90	0.013	
ARITH MEAN		0.004 <A	0.030	64	10.1	6.00	0.013	
GEOM MEAN		0.003 <A	0.029		8.1	5.25		
MINIMUM		0.0010	0.020	64	3.700	2.00	0.013	
STD DEV (GEOM *)		0.003 <A	0.009		7.3	3.32		
# SAMP IN STATISTICS		10	10	1	10	10	1	
% SAMP (EXCLUDED)								

B.O.W./ SITE: PICKEREL RIVER.  
 SAMPLE POINT: AT HIGHWAY 69  
 STATION TYPE: RIVER

STATION ID: 03-0130-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TRM STREAM: PICKEREL RIVER

STORET CODE: 02  
 002  
 5330

LAT: 45 59 48.00 LONG: 080 34 02.65 U T M: 17 0533500.0 5093550.0 4 REGION: 05 DISTANCE: 27.680

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	COND.
820121	1150	32260	0101	21		2.15	69	0.002	12.50	0.15	
820330	1315	32262	0101	19		1.70	66	0.001<		0.280	
820528	1250	32263	0101	15.9	0.038	1.55	66.5	0.002		0.110	8
820719		32264	0101	17.4	0.061	1.45	66.0	0.110	6.00	0.070	
820810	1500	32265	0101	16.8	0.033	1.45	64.5	0.003	8.00	0.055	
821124	1330	32266	0101	21.0	0.070	1.60	60.8	0.007	10.00	0.180	
821215	1310	32267	0101	15.5	0.098	1.60	60.2	0.002		0.175	
MAXIMUM		0.30		21	0.098	2.15	69	0.110	12.50	0.280	
ARITH MEAN		0.30		18	0.060	1.64	65	0.021	9.12	0.15	
GEOM MEAN				18	0.055	1.63	65		8.80	0.13	
MINIMUM		0.30		15.5	0.033	1.45	60.2	0.002	6.00	0.055	
STD DEV (GEOM *)				2	0.026	0.24	3		2.78	0.08	
# SAMP IN STATISTICS		6		7	5	7	7	6	4	7	
% SAMP (EXCLUDED)								14			

*INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP
			NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR	
SAMPLE DATE	HR	SAMPLE	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE
YYMMDD	LMT	NUMBER	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.
			AS NI	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L
820121	1150	32260	0.5	0.020	0.31	0.003	7.32	1 <T	0.003	0.011	0.4
820330	1315	32262		0.036	0.20	0.003<	7.00		0.1500	0.180	0.1 <W
820528	1250	32263	16.5	0.002	0.056	0.003<	7.06	1.0	0.0030	0.020	0.530<T
820719		32264	24.0	0.002	0.024	0.018	7.46	0.4<T	0.0080	0.017	2.600
820810	1500	32265	20.0	0.002	0.058	0.003<	7.49	0.4<T	0.0035	0.011	0.635<T
821124	1330	32266	4.0	0.002	0.006	0.003<	7.78	0.6<T	0.0040	0.009	3.730
821215	1310	32267		0.002	0.008	0.003<	7.30	1.0	0.0015<T	0.016	2.160
MAXIMUM		24.0	0.002	0.058	0.31	0.018	7.78	1	0.1500	0.180	3.730
ARITH MEAN		13.0	0.002	0.030	0.25	0.010	7.34	1 <A	0.025 <A	0.038	1.5 <A
GEOM MEAN		6.9	0.002	0.022	0.25		7.34	1 <A	0.006 <A	0.019	0.8 <A
MINIMUM		0.5	0.002	0.006	0.20	0.003	7.00	0.4	0.0015	0.009	0.1
STD DEV (GEOM *)		10.2	0.000	0.021	0.08		0.27	0 <A	0.055 <A	0.063	1.4 <A
# SAMP IN STATISTICS		5	5	7	2	2	7	6	7	7	7
% SAMP (EXCLUDED)						71					

(CONTD)



B.O.W./ SITE: PICKEREL RIVER  
SAMPLE POINT: AT HIGHWAY 69  
STATION TYPE: RIVER

STATION ID: 03-0130-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: PICKEREL RIVER

STORET CODE: 02  
002  
5330

LAT: 45 59 48.00 LONG: 080 34 02.65 U T M: 17 0533500.0 5093550.0 4 REGION: 05 DISTANCE: 27.680

*=INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HOUR	SAMPLE	TURB'ITY
YYMMDD	LMT	NUMBER	FTU
820121	1150	32260	1.52
820330	1315	32262	2.60
820528	1250	32263	1.11
820719		32264	1.10
820810	1500	32265	0.73
821124	1330	32266	1.37
821215	1310	32267	1.70
MAXIMUM		2.60	0.061
ARITH MEAN		1.45	0.012
GEOM MEAN		1.35	
MINIMUM		0.73	0.001
STD DEV (GEOM *)		0.60	
# SAMP IN STATISTICS		7	6
% SAMP (EXCLUDED)			14

B.O.W./ SITE: FRENCH RIVER  
 SAMPLE POINT: AT HIGHWAY 69  
 STATION TYPE: RIVER

STATION ID: 03-0133-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 01 07.59 LONG: 080 35 00.16

U T M: 17 0532250.0 5096000.0 4

REGION: 05

DISTANCE: 28.967

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CDUT	CLIDUR	COND25	CRUT	CUUT
				ALK	ALUMINUM	ARSENIC	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AS AS	AS CD	AS CL	AT 25 C	AS CR	AS CU
820121	1215	32220	0101	17		0.001<	0.0001<	2.75	76	0.001	0.002
820303	1120	32221	0101	22		0.001<	0.0002	2.45	81	0.001<	0.003
820330	1330	32222	0101	23		0.001<	0.0002<	2.70	81	0.001<	0.002
820528	1320	32223	0101	17.6	0.040	0.001<	0.0002	1.85	72.2	0.001<	0.002
820719		32224	0101	20.1	0.004	0.001<	0.0002<	2.65	70.2	0.001<	0.003
820810	1530	32225	0101	18.6	0.033	0.001<	0.0002	1.80	70.6	0.001<	0.017
821124	1400	32226	0101	21.1	0.008	0.001<	0.0002<	2.53	74.8	0.001<	0.002
821215	1340	32227	0101	22.5	0.059	0.001<	0.0002<	2.73	74.8	0.001<	0.003
MAXIMUM		0.30		23	0.059		0.0002	2.75	81	0.001	0.017
ARITH MEAN		0.30		20	0.029		0.0002	2.43	75	0.001	0.004
GEOM MEAN				20	0.019			2.40	75		0.003
MINIMUM		0.30		17	0.004		0.0002	1.80	70.2	0.001	0.002
STD DEV (GEOM *)				2	0.023			0.39	4		0.005
# SAMP IN STATISTICS		7		8	5		3	8	8	1	8
% SAMP (EXCLUDED)							62			87	

*INTERIM TEST-NAME:		DO	FCMF	FEUT	FSMF	FWSTRC	FWTEMP	HGUT	NIUT	NNHTFR	NNOTFR
		DISOLVED	FECAL	IRON	FECAL			MERCURY	NICKEL	NH3-N	NO2+NO3N
SAMPLE		OXYGEN	COLIFORM	UNF.TOT.	STREPCUS		WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC
DATE	HR	MG/L	MF	MG/L	MF	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS O	CNT	AS FE	CNT	COND.	DEG.C	AS HG	AS NI	AS N	AS N
820121	1215	32220	4<	0.11	4<		0.5	0.02		0.014	0.025
820303	1120	32221	4<	0.11	4<		0.5	0.02<		0.030	0.030
820330	1330	32222	4<	0.110	4<			0.02<		0.022	0.060
820528	1320	32223		0.075		8	14.0	0.06	0.002	0.034	0.050
820719		32224	4<	0.050	4<		21.5	0.04	0.002	0.042	0.005<T
820810	1530	32225	4<	0.050	20		20.0	0.03	0.001<	0.026	0.010<T
821124	1400	32226	11.00	0.090			4.0	0.04<	0.001<	0.006	0.050
821215	1340	32227	10<	0.080	10<			0.05	0.002	0.008	0.035
MAXIMUM		12.00		0.110	20		21.5	0.06	0.002	0.042	0.060
ARITH MEAN		9.90		0.08	20		10.1	0.04	0.002	0.023	0.033<A
GEOM MEAN		9.76		0.08			4.3			0.019	0.026<A
MINIMUM		8.00		0.050	20		0.5	0.02	0.002	0.006	0.005
STD DEV (GEOM *)		1.82		0.03			9.6			0.013	0.020<A
# SAMP IN STATISTICS		5		8	1		6	5	3	8	8
% SAMP (EXCLUDED)					83			37	40		

(CONTD)

B.O.W./ SITE: FRENCH RIVER  
 SAMPLE POINT: AT HIGHWAY 69  
 STATION TYPE: RIVER

STATION ID: 03-0133-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 01 07.59 LONG: 080 35 00.16 U T M: 17 0532250.0 5096000.0 4 REGION: 05 DISTANCE: 28.967

*=INTERIM TEST-NAME:		NN02FR	NN03FR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PP04FR	PPUT	RSF	RSP	
		N02-N FIL.REAC MG/L AS N	N03-N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB		PHENOLS UNF-REAC UG/L PHENOL	P04 FIL.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER										
820121	1215	32220	0.002	0.025	0.35	0.003	7.35	1 <T	0.004	0.018	49	0.8
820303	1120	32221	0.004	0.025	1.06	0.003<	7.20	1 <T	0.005	0.010	53	0.6
820330	1330	32222	0.004	0.055	0.30	0.027	7.27	1 <T	0.009	0.025	53	1.0
820528	1320	32223	0.0030	0.045	0.34	0.003<	7.13	0.8	0.2150	0.255	47.0	0.590<T
820719		32224	0.0010<T	0.005<T	0.31	0.003<	7.44	0.4<T	0.0050	0.011	45.6	7.170
820810	1530	32225	0.0020	0.010<T	0.28	0.003<	7.48	0.2<T	0.0015<T	0.008	46.0	0.480<T
821124	1400	32226	0.0015<T	0.049	0.240	0.003<	7.94	0.6<T	0.0045	0.016	48.6	27.200
821215	1340	32227	0.0070	0.028	0.420	0.003<	7.63	0.2<T	0.0030	0.016	48.6	1.23
MAXIMUM		0.0070	0.055	1.06	0.027	7.94	1	0.2150	0.255	53	27.200	
ARITH MEAN		0.003 <A	0.030<A	0.41	0.015	7.43	1 <A	0.031 <A	0.045	49	4.9 <A	
GEOM MEAN		0.003 <A	0.024<A	0.37		7.43	1 <A	0.007 <A	0.020	49	1.5 <A	
MINIMUM		0.0010	0.005	0.240	0.003	7.13	0.2	0.0015	0.008	45.6	0.480	
STD DEV (GEOM *)		0.002 <A	0.018<A	0.27		0.26	0 <A	0.074 <A	0.085	3	9.3 <A	
# SAMP IN STATISTICS		8	8	8	2	8	8	8	8	8	8	
% SAMP (EXCLUDED)					75							

*=INTERIM TEST-NAME:		TURB	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	TURB'ITY FTU
820121	1215	32220	2.10
820303	1120	32221	1.12
820330	1330	32222	1.41
820528	1320	32223	1.02
820719		32224	0.65
820810	1530	32225	0.94
821124	1400	32226	1.21
821215	1340	32227	0.90
MAXIMUM		2.10	0.033
ARITH MEAN		1.17	0.008
GEOM MEAN		1.11	0.004
MINIMUM		0.65	0.001
STD DEV (GEOM *)		0.44	0.011
# SAMP IN STATISTICS		8	8
% SAMP (EXCLUDED)			

B.O.W./ SITE: VEUVE RIVER

SAMPLE POINT: AT FIRST ROAD UPSTREAM FROM CACHE BAY

STATION TYPE: RIVER FLOW GAUGE FED 02DD012

STATION ID: 03-0133-002-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02

002

4530

LAT: 46 21 00.10 LONG: 080 03 37.31

U T M: 17 0572300.0 5133150.0 4

REGION: 05

DISTANCE: 126.330

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COD	COND25	CUUT	DO	FEUT	FWFLOW
				ALK	CHLORIDE	CHEM. OX	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.REAC	DEMAND	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3
YYMMDD	LMT	M	CODE	AS CAC03	AS CL	AS O	AT 25 C	AS CU	AS O	AS FE	/S
820321	1020	33002	0101	40	20.00	22	180		9.00	1.160	6.880
820412	1645	33016	0101	22	3.35		88	0.006	9.00	0.880	38.600
820506	1000	33054	0101	18.7	2.30		78.1	0.009	9.00	0.550	11.900
820603	0920	33066	0101	45.8	6.40		139.0	0.005	8.00	0.790	5.240
820704	1700	33089	0101	63.1	6.65		169.0	0.004	9.00	0.530	1.120
820801	1400	33112	0101	66.3	6.95		177.0	0.006	7.00	0.590	0.469
820830	0945	33135	0101	80.7	8.10		202.0	0.003	6.00	0.390	0.486
820927	0945	33158	0101	86.0	15.70		255.0	0.002	7.00	0.345	7.220
821017	0930	33180	0101	21.6	3.29		96.5	0.005	5.00	0.630	18.500
821114	0930	33197	0101	22.8	4.25		101.0	0.012	9.00	1.950	30.800
MAXIMUM		0.30		86.0	20.00	22	255.0	0.012	9.00	1.950	38.600
ARITH MEAN		0.30		47	7.70	22	149	0.006	7.80	0.781	12.121
GEOM MEAN				40	6.18		138	0.005	7.66	0.686	5.297
MINIMUM		0.30		18.7	2.30	22	78.1	0.002	5.00	0.345	0.469
STD DEV (GEOM *)				26	5.76		58	0.003	1.48	0.476	13.257
# SAMP IN STATISTICS		10		10	10	1	10	9	10	10	10
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	MNUT	NAUR	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR
							NH3-N				K'DAHL N
				MANGANESE	SODIUM	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL
SAMPLE		STREAM	WATER	UNF.TOT.	UNF.REAC	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.
DATE	HOUR	COND.	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT		DEG.C	AS MN	AS NA	AS NI	AS N	AS N	AS N	AS N	AS N
820321	1020	33002	6	2.0		2.8	0.282	0.565	0.089	0.475	0.85
820412	1645	33016	6	2.0	0.0560	0.008	0.010	0.325			0.59
820506	1000	33054	6	15.0	0.048	0.007	0.004<T	0.110			0.35
820603	0920	33066	6	18.0	0.079	0.006	0.006<T	0.215			0.53
820704	1700	33089	6	24.0	0.085	0.004	0.088	0.005<T			0.56
820801	1400	33112	6	24.0	0.103	0.003	0.126	0.005<W			0.62
820830	0945	33135	6	18.0	0.1480	0.003	0.004<T	0.065			0.52
820927	0945	33158	6	14.0	0.0520	0.004	0.008	0.155			0.68
821017	0930	33180	6	9.0	0.0360	0.007	0.060	0.060			0.56
821114	0930	33197	6	2.0	0.0660	0.011	0.006	0.075			0.630
MAXIMUM			24.0	0.1480	2.8	0.011	0.282	0.565	0.089	0.475	0.85
ARITH MEAN			12.8	0.075	2.8	0.006	0.059<A	0.158<A	0.089	0.475	0.59
GEOM MEAN			8.8	0.069		0.005	0.020<A	0.074<A			0.58
MINIMUM			2.0	0.0360	2.8	0.003	0.004	0.005	0.089	0.475	0.35
STD DEV (GEOM *)			8.7	0.034		0.003	0.089<A	0.174<A			0.13
# SAMP IN STATISTICS			10	9	1	9	10	10	1	1	10
% SAMP (EXCLUDED)											

( C O N T D )

B.O.W./ SITE: VEUVE RIVER  
SAMPLE POINT: AT FIRST ROAD UPSTREAM FROM CACHE BAY  
STATION TYPE: RIVER FLOW GAUGE FED 02DD012

STATION ID: 03-0133-002-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
002  
4530

LAT: 46 21 00.10 LONG: 080 03 37.31 U T M: 17 0572300.0 5133150.0 4 REGION: 05 DISTANCE: 126.330

[illegible]

B.O.W./ SITE: STURGEON RIVER  
 SAMPLE POINT: 4MI.DOWNSTREAM FROM HIGHWAY NO.17  
 STATION TYPE: RIVER FLOW GAUGE FED 02DC003

STATION ID: 03-0133-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNAL

STORET CODE: 02  
 002  
 5430

LAT: 46 19 28.28 LONG: 079 58 20.88

U T M: 17 0579100.0 5130400.0 4

REGION: 05

DISTANCE: 117.318

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWFLOW	FWSTRC	FWTEMP
				BOD 5 DAY TOT.DEM.	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN	STREAM FLOW		
SAMPLE DATE	HR	SAMPLE DEPTH	PROJECT SUB-PROJ	MG/L AS O	MG/L AS CL	MG/L AS O	UMHO/CM AT 25 C	MG/L AS O	M3 /S	STREAM COND.	WATER TEMP DEG.C
YYMMDD	LMT	NUMBER	CODE								
820614	1135	34579	0101	0.70	1.10	34	71.3	7.30	27.100	8	19.5
820622	1135	34582	0101	0.91	0.85	20	66.0	8.50	27.100	8	18.0
820705	1650	34585	0101	0.57	0.80	16	65.5	10.20	22.300	8	19.0
820714	1200	34588	0101	5.58	1.00	52	83.4	6.40	22.300	8	21.5
820721	1154	34591	0101	8.04	1.30	56	90.4	4.70	20.700	8	24.0
820803	1214	34594	0101	11.00	1.05	56	101.0	3.00	13.600		21.0
820810	1216	34597	0101	10.90	1.05	58	99.9	4.00	10.300		21.0
820818	1020	34600	0101	8.00	1.10	62	102.0	4.00	11.300	8	20.0
820823	1545	34675	0101	13.30	1.10	74	111.0	6.00	8.410		20.5
820901	1029	34678	0101	1.77	1.00	30	95.4	4.50	12.200	8	17.5
820908	1625	34681	0101	0.59	0.70	14	82.1	8.80	22.300	8	17.5
820915	1154	34684	0101	0.42<T	0.74	16	83.3	8.90	22.100	8	16.5
820922	1420	34687	0101	0.71	0.65	13.7	72.0	9.00	59.700		15.0
MAXIMUM		0.30		13.30	1.30	74	111.0	10.20	59.700		24.0
ARITH MEAN		0.30		4.81<A	0.96	39	86.4	6.56	21.493		19.3
GEOM MEAN				2.34<A	0.94	32	85.2	6.13	18.779		19.2
MINIMUM		0.30		0.42	0.65	13.7	65.5	3.00	8.410		15.0
STD DEV (GEOM *)				4.85<A	0.19	22	14.9	2.38	13.149		2.4
# SAMP IN STATISTICS		13		13	13	13	13	13	13		13
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB
		NO2+NO3N FIL.REAC	K'DAHL N TOTAL FIL.TOT.		PHOSPHOR UNF.TOT.	RESIDUE PARTIC.	SULPHATE UNF.REAC	TURB'ITY FTU
SAMPLE DATE	HR	MG/L AS N	MG/L AS N	PH	MG/L AS P	MG/L	MG/L AS SO4	
YYMMDD	LMT	NUMBER						
820614	1135	34579	0.025	0.39	7.21	0.019	3.040	11.2
820622	1135	34582	0.060	0.33	7.30	0.005	2.150	10.6
820705	1650	34585	0.020	0.29	7.44	0.015	6.640	11.2
820714	1200	34588	0.005<T	0.35	6.77	0.020	6.190	12.5
820721	1154	34591	0.005<T	0.33	7.08	0.018	6.560	12.4
820803	1214	34594	0.005<T	2.07	6.72	0.150	7.370	11.4
820810	1216	34597	0.005	0.38	7.15	0.028	7.010	12.6
820818	1020	34600	0.005<W	0.43	6.56	0.030	6.530	12.3
820823	1545	34675	0.005<T	0.40	7.05	0.048	8.160	11.8
820901	1029	34678	0.005<T	0.31	7.28	0.018	4.490	12.4
820908	1625	34681	0.040	0.24	7.70	0.011	1.240	11.5

(CONTD)

B.O.W./ SITE: STURGEON RIVER  
 SAMPLE POINT: 4MI.DOWNSTREAM FROM HIGHWAY NO.17  
 STATION TYPE: RIVER FLOW GAUGE FED 02DC003

STATION ID: 03-0133-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNAL

STORET CODE: 02  
 002  
 5430

LAT: 46 19 28.28 LONG: 079 58 20.88

U T M: 17 0579100.0 5130400.0 4

REGION: 05

DISTANCE: 117.318

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB	
		NO2+N03N	K'DAHL N		PHOSPHOR		SULPHATE		
		FIL.REAC	TOTAL		UNF.TOT.	RESIDUE	UNF.REAC		
SAMPLE		MG/L	MG/L		MG/L	PARTIC.	MG/L	TURB'ITY	
DATE	HOUR	AS N	AS N	PH	AS P	MG/L	AS SO4	FTU	
YYMMDD	LMT								
820915	1154	34684	0.040	0.26	7.53	0.007	7.240	11.8	1.99
820922	1420	34687	0.025	0.31	7.01	0.009		12.8	1.58
MAXIMUM		0.060	2.07	7.70	0.150	8.160	12.8	6.90	
ARITH MEAN		0.019<A	0.47	7.14	0.029	5.552	11.9	3.88	
GEOM MEAN		0.012<A	0.38	7.13	0.019	4.908	11.9	3.43	
MINIMUM		0.005	0.24	6.56	0.005	1.240	10.6	1.58	
STD DEV (GEOM *)		0.018<A	0.48	0.33	0.038	2.261	0.7	1.89	
# SAMP IN STATISTICS		13	13	13	13	12	13	13	
% SAMP (EXCLUDED)									

B.O.W./ SITE: STURGEON RIVER  
 SAMPLE POINT: AT BRIDGE IN STURGEON FALLS  
 STATION TYPE: RIVER FLOW GAUGE FED 02DC003

STATION ID: 03-0133-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNAL

STORET CODE: 02  
 002  
 5430

LAT: 46 22 12.29 LONG: 079 56 06.76

U T M: 17 0581900.0 5135500.0 4

REGION: 05

DISTANCE: 124.077

*INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWFLOW	FWSTRC	FWTEMP	
				BOD 5 DAY TOT.DEM.	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN	STREAM FLOW			
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	DEPTH M	SUB-PROJ CODE	MG/L AS O	MG/L AS CL	MG/L AS O	UMHO/CM AT 25 C	MG/L AS O	M3 /S	STREAM COND.	WATER TEMP DEG.C
820614	1050	34581	0.30	0101	0.30<T	0.60	28	64.8	8.30	27.100	8	20.5
820622	1220	34584	0.30	0101	0.50	0.55	18	64.4	8.80	27.100	8	18.0
820705	1650	34587	0.30	0101		0.65	12	65.1	10.20	22.300		18.5
820714	1240	34590	0.30	0101	0.52	0.65	12	68.9	8.60	22.300	9	21.5
820721	1238	34593	0.30	0101	0.41<T	0.75	12	74.3	8.20	20.700	9	24.5
820803	1303	34596	0.30	0101	1.12	0.75	12	76.0	7.60	13.600		20.0
820810	1304	34599	0.30	0101	0.47	0.65	6	77.2	8.20	10.300		21.0
820818	1106	34602	0.30	0101	0.56	0.65	12	79.9	8.30	11.300		20.0
820823	1625	34677	0.30	0101	0.03<T	0.55	12	82.1	7.80	8.410		20.0
820901	1107	34680	0.30	0101	0.53	0.75	12	82.7	8.70	12.200	8	18.0
820908	1710	34683	0.30	0101	0.47	0.56	8	81.6	9.10	22.300	8	16.0
820915	1316	34686	0.30	0101	0.48	0.61	12	83.8	9.20	22.100	8	16.5
820922	1535	34689	0.30	0101	0.37<T	0.55	8.7	68.8	9.00	59.700		14.0
MAXIMUM		0.30			1.12	0.75	28	83.8	10.20	59.700		24.5
ARITH MEAN		0.30			0.48<A	0.64	13	74.6	8.62	21.493		19.1
GEOM MEAN					0.39<A	0.63	12	74.2	8.59	18.779		18.9
MINIMUM		0.30			0.03	0.55	6	64.4	7.60	8.410		14.0
STD DEV (GEOM *)					0.25<A	0.08	5	7.4	0.68	13.149		2.7
# SAMP IN STATISTICS		13			12	13	13	13	13	13		13
% SAMP (EXCLUDED)												

*INTERIM TEST-NAME:		NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB
			K'DAHL N TOTAL		PHOSPHOR	RESIDUE	SULPHATE	
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	NO2+NO3N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS P	PARTIC. MG/L	UNF.REAC MG/L AS S04	TURB'ITY FTU
820614	1050	34581	0.030	0.24	7.35	0.015	2.620	10.8
820622	1220	34584	0.035	0.23	7.38	0.005	2.770	10.5
820705	1650	34587	0.010<T	0.26	7.37	0.011	1.280	11.2
820714	1240	34590	0.005<T	0.23	7.36	0.008	0.950<T	10.9
820721	1238	34593	0.005<T	0.22	7.13	0.007	1.250	11.5
820803	1303	34596	0.005<T	0.78	7.41	0.039	2.670	10.3
820810	1304	34599	0.015	0.23	7.65	0.011	1.750	10.6
820818	1106	34602	0.005<T	0.24	7.74	0.019	1.560	10.6
820823	1625	34677	0.010<T	0.24	7.71	0.014	2.270	10.7
820901	1107	34680	0.010<T	0.22	7.71	0.008	2.430	11.9
820908	1710	34683	0.020	0.23	7.70	0.001<T	2.350	10.9

(CONTD)



B.O.W./ SITE: STURGEON RIVER  
 SAMPLE POINT: AT BRIDGE IN STURGEON FALLS  
 STATION TYPE: RIVER FLOW GAUGE FED 02DC003

STATION ID: 03-0133-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNAL

STORET CODE: 02  
 002  
 5430

LAT: 46 22 12.29 LONG: 079 56 06.76

U T M: 17 0581900.0 5135500.0 4

REGION: 05

DISTANCE: 124.077

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB	
		NO2+NO3N	K'DAHL N		PHOSPHOR		SULPHATE		
		FIL.REAC	TOTAL		UNF.TOT.	RESIDUE	UNF.REAC		
SAMPLE	DATE HOUR	SAMPLE	MG/L	MG/L	MG/L	PARTIC.	MG/L	TURB'ITY	
YYMMDD	LMT	NUMBER	AS N	AS N	AS P	MG/L	AS S04	FTU	
820915	1316	34686	0.005<T	0.23	7.73	0.004	1.620	12.4	1.53
820922	1535	34689	0.010	0.25	8.35	0.008		12.7	1.92
MAXIMUM		0.035	0.78	8.35	0.039	2.770	12.7	1.92	
ARITH MEAN		0.013<A	0.28	7.58	0.012<A	1.960<A	11.2	1.65	
GEOM MEAN		0.010<A	0.26	7.58	0.009<A	1.858<A	11.1	1.64	
MINIMUM		0.005	0.22	7.13	0.001	0.950	10.3	1.38	
STD DEV (GEOM *)		0.010<A	0.15	0.30	0.010<A	0.630<A	0.8	0.16	
# SAMP IN STATISTICS		13	13	13	13	12	13	13	
% SAMP (EXCLUDED)									

B.O.W./ SITE: CALLANDER BAY  
 SAMPLE POINT: NEAR DOCKS CALLANDER BAY  
 STATION TYPE: LAKE

STATION ID: 03-0133-009-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 13 16.49 LONG: 079 22 19.64 U T M: 17 0625550.0 5119700.0 4 REGION: 05

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FCMF	FEUT	FWSTRC	FWTEMP
				ALK	CONDUCT.	COPPER	DISOLVED	FECAL	IRON		
				TOTAL	25C	TOT.	OXYGEN	COLIFORM	UNF.TOT.		
SAMPLE		SAMPLE	PROJECT	MG/L	UMHO/CM	MG/L	MG/L	MF	MG/L	STREAM	WATER
DATE	HR	DEPTH	SUB-PROJ	AS CAC03	AT 25 C	AS CU	AS O	CNT	AS FE	COND.	TEMP
YYMMDD	LMT	M	CODE					/100ML			DEG.C
820412	1030	33025	0101	19	84	0.004	10.00	10<	0.700	6	1.0
820502	0920	33040	0101	18.9	70.6	0.021	11.00	60<=>	0.375	6	11.0
820607	0800	33075	0101	19.5	72.5	0.002	8.00	10<	0.155	6	17.0
820705	0900	33098	0101	20.0	74.2	0.002	8.00	4<	0.145	6	20.0
820801	0800	33121	0101	20.2	76.2	0.005	7.00	4<	0.135	6	20.0
820831	1500	33144	0101	20.7	78.3	0.001	10.00	4<	0.135	6	20.0
820927	1430	33167	0101	24.9	87.5	0.001<	8.00	10<	0.145	6	15.0
MAXIMUM		0.30		24.9	87.5	0.021	11.00	60	0.700		20.0
ARITH MEAN		0.30		20	78	0.006	8.86	60	0.256		14.9
GEOM MEAN				20	77		8.75		0.206		11.2
MINIMUM		0.30		18.9	70.6	0.001	7.00	60	0.135		1.0
STD DEV (GEOM *)				2	6		1.46		0.214		7.0
# SAMP IN STATISTICS		7		7	7	6	7	1	7		7
% SAMP (EXCLUDED)						14		85			

*INTERIM TEST-NAME:		NIUT	NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TCMF	TCMFBK	TURB
		NICKEL	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	SULPHATE	COLIFORM	COLIFORM	
		UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF.TOT.	UNF.REAC	TOTAL	TOTAL MF	
SAMPLE		MG/L	MG/L	MG/L	MG/L		MG/L	MG/L	MF	BCKGRD	
DATE	HR	AS NI	AS N	AS N	AS PB	PH	AS P	AS S04	CNT	CNT	TURB'ITY
YYMMDD	LMT								/100ML	/100ML	FTU
820412	1030	33025	0.435	0.63	0.005	6.98	0.060	8.0	7600	2800	8.20
820502	0920	33040	0.001	0.205	0.008	7.29	0.043	8.0	1200<=>	40000	4.90
820607	0800	33075	0.002<	0.010<T	0.058	7.43	0.030	8.5	40<=>	15400	1.76
820705	0900	33098	0.001	0.015	0.003<	7.50	0.019	8.5	1000<=>	240000>	1.98
820801	0800	33121	0.001	0.015	0.004	7.34	0.026	8.3	10000<=>	120E+05	1.45
820831	1500	33144	0.002<	0.030	0.003<	7.62	0.047	9.6	10<	9000	1.92
820927	1430	33167	0.002	0.090	0.003<	7.60	0.024	9.7	210<=>	6000	1.73
MAXIMUM		0.002	0.435	0.83	0.058	7.62	0.060	9.7	10000	120E+05	8.20
ARITH MEAN		0.001	0.114<A	0.53	0.019	7.39	0.036	8.7	3342	2012200	3.13
GEOM MEAN			0.047<A	0.52		7.39	0.033	8.6			2.54
MINIMUM		0.001	0.010	0.38	0.004	6.98	0.019	8.0	40	2800	1.45
STD DEV (GEOM *)			0.158<A	0.15		0.22	0.015	0.7			2.53
# SAMP IN STATISTICS		4	7	7	4	7	7	7	6	6	7
% SAMP (EXCLUDED)		42			42				14	14	

B.O.W./ SITE: CALLANDER BAY  
SAMPLE POINT: NEAR DOCKS CALLANDER BAY  
STATION TYPE: LAKE

STATION ID: 03-0133-009-01

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
002  
5430

LAT: 46 13 16.49 LONG: 079 22 19.64 U T M: 17 0625550.0 5119700.0 4 REGION: 05

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
UNF.TOT.  
SAMPLE DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN

820412	1030	33025	0.012
820502	0920	33040	0.018
820607	0800	33075	0.006
820705	0900	33098	0.001
820801	0800	33121	0.006
820831	1500	33144	0.002
820927	1430	33167	0.007

MAXIMUM 0.018  
ARITH MEAN 0.007  
GEOM MEAN 0.005  
MINIMUM 0.001  
STD DEV (GEOM \*) 0.006  
# SAMP IN STATISTICS 7  
% SAMP (EXCLUDED)

B.O.W./ SITE: LAKE NIPISSING  
 SAMPLE POINT: AT AMELIA BEACH NORTH BAY  
 STATION TYPE: LAKE

STATION ID: 03-0133-010-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 17 48.35 LONG: 079 27 48.14 U T M: 17 0618350.0 5127950.0 4 REGION: 05

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FCMF	FEUT
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	FECAL	IRON
				TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	COLIFORM	UNF.TOT.
				MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MF	MG/L
				AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	CNT	AS FE
										/100ML	
SAMPLE	DATE HOUR	SAMPLE	DEPTH	PROJECT							
DATE HOUR	YYMMDD LMT	NUMBER	M	SUB-PROJ							
				CODE							
820412	0820	33021	0.30	0101	26		256	0.005	11.00	60<=>	1.380
820506	1230	33059	0.30	0101	15.8		90.3	0.005	11.00	16	0.370
820603	1130	33071	0.30	0101	24.8		259.0	0.008	9.00	372	1.210
820704	1330	33094	0.30	0101	21.5		85.5		8.00	16	1.135
820801	1640	33117	0.30	0101	26.8	0.290	19.40	0.008	8.00	180<=>	
820830	1215	33140	0.30	0101		0.280	5.55	0.003	9.00	180	
820927	1220	33163	0.30	0101	26.4		147.0	0.006	8.00	130	0.295
	MAXIMUM	0.30			26.8	0.290	19.40	0.008	11.00	372	1.380
	ARITH MEAN	0.30			24	0.285	12.47	0.006	9.14	136	0.878
	GEOM MEAN				23	0.285	10.38	0.006	9.06	82	0.730
	MINIMUM	0.30			15.8	0.280	5.55	0.003	8.00	16	0.295
	STD DEV (GEOM *)				4	0.007	9.79	0.002	1.35	3*	0.507
	# SAMP IN STATISTICS	7			6	2	2	7	6	7	5
	% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PP04FR	PPUT
				NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		P04	PHOSPHOR
				UNF.TOT.	TOTAL	FIL.REAC	FIL.TOT.	UNF.TOT.		FIL.REAC	UNF.TOT.
				MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L
				AS NI	AS N	AS N	AS N	AS PB		AS P	AS P
									PH		
SAMPLE	DATE HOUR	SAMPLE	STREAM	WATER							
DATE HOUR	YYMMDD LMT	NUMBER	COND.	TEMP							
				DEG.C							
820412	0820	33021	6	1.0	0.002<		2.000	0.003<	7.05		0.070
820506	1230	33059	6	12.0	0.002<		0.440	0.003<	7.05		0.055
820603	1130	33071	6	16.0	0.002		1.750	0.003<	7.47		0.111
820704	1330	33094	6	23.0	0.005		0.105		7.35		0.090
820801	1640	33117	6	24.0	0.002	0.330		0.007	7.39	0.0030	0.148
820830	1215	33140	6	15.0	0.001	0.030		0.004	7.80		0.325
820927	1220	33163	6	15.0	0.003		0.500	0.005	7.54		0.041
	MAXIMUM			24.0	0.005	0.330	2.000	0.007	7.80	0.0030	0.325
	ARITH MEAN			15.1	0.003	0.180	0.959	0.005	7.38	0.0030	0.120
	GEOM MEAN			11.3		0.099	0.605		7.37		0.096
	MINIMUM			1.0	0.001	0.030	0.105	0.004	7.05	0.0030	0.041
	STD DEV (GEOM *)			7.6		0.212	0.854		0.27		0.097
	# SAMP IN STATISTICS			7	5	2	5	3	7	1	7
	% SAMP (EXCLUDED)				28			50			

(CONTD)

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 38

B.O.W./ SITE: LAKE NIPISSING  
 SAMPLE POINT: AT AMELIA BEACH NORTH BAY  
 STATION TYPE: LAKE

STATION ID: 03-0133-010-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 17 48.35 LONG: 079 27 48.14 U T M: 17 0618350.0 5127950.0 4 REGION: 05

*INTERIM TEST-NAME:		RSP	SS04UR	TCMF COLIFORM TOTAL MF CNT /100ML	TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE NUMBER	RESIDUE PARTIC. MG/L	SULPHATE UNF.REAC MG/L AS SO4			
820412	0820	33021		12.4	730<=>	2850	11.70
820506	1230	33059		7.4	290<=>	10000	4.40
820603	1130	33071		15.0U	4800<=>	32500	7.50
820704	1330	33094		10.3	19000<=>	525000	13.90
820801	1640	33117	37.200		4800<=>	130000	16.60
820830	1215	33140	12.000		6700<=>	80000	6.60
820927	1220	33163		12.8	12000<=>	370000	2.30
MAXIMUM		37.200	15.0	19000	525000	16.60	0.027
ARITH MEAN		24.600	11.6	6903	164336	9.00	0.015
GEOM MEAN		21.128	11.3	3574	56645	7.51	0.013
MINIMUM		12.000	7.4	290	2850	2.30	0.006
STD DEV (GEOM *)		17.819	2.9	5*	7*	5.21	0.009
# SAMP IN STATISTICS		2	5	7	7	7	6
% SAMP (EXCLUDED)							

B.O.W./ SITE: LAKE NIPISSING

SAMPLE POINT: DOWNSTREAM GOVERNMENT DOCKS NORTH BAY

STATION TYPE: LAKE

STATION ID: 03-0133-011-01

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02

002

5430

LAT: 46 18 37.33 LONG: 079 28 17.15

U T M: 17 0617700.0 5129450.0 4

REGION: 05

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FCMF	FEUT	FWSTRC	FWTEMP
				ALK	CONDUCT.	COPPER	DISOLVED	FECAL	IRON		
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	COLIFORM	UNF.TOT.	STREAM	WATER
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	MF	MG/L	COND.	TEMP
			CODE	AS CAC03	AT 25 C	AS CU	AS O	CNT	AS FE		DEG.C
								/100ML			
820412	0730	33019	0101	23	104	0.004	11.00	10<=>	0.110	6	1.0
820506	1130	33057	0101	17.2	101.5	0.012	11.00	8	0.300	6	12.0
820603	1045	33069	0101	18.5	79.1	0.004	9.00	32	0.315	6	16.0
820704	1600	33092	0101	21.5	81.1	0.004	8.00	24	0.335	6	23.0
820801	1550	33115	0101	24.2	96.2	0.006	8.00	80<=>	0.435	6	24.0
820830	1130	33138	0101	25.8	99.6	0.007	9.00	300	1.260	6	15.0
820927	1120	33161	0101	24.1	102.0	0.003	8.00	40<=>	0.210	6	15.0

MAXIMUM	0.30	25.8	104	0.012	11.00	300	1.260		24.0
ARITH MEAN	0.30	22	95	0.006	9.14	71	0.424		15.1
GEOM MEAN		22	94	0.005	9.06	35	0.327		11.3
MINIMUM	0.30	17.2	79.1	0.003	8.00	8	0.110		1.0
STD DEV (GEOM *)		3	10	0.003	1.35	3*	0.383		7.6
# SAMP IN STATISTICS	7	7	7	7	7	7	7		7
% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		HGUT	NIUT	NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TCMF	TCMFBK
		MERCURY	NICKEL	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	SULPHATE	COLIFORM	COLIFORM
SAMPLE DATE	HOUR	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF.TOT.	UNF.REAC	TOTAL	TOTAL MF
YYMMDD	LMT	UG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L	MF	BCKGRD
		AS HG	AS NI	AS N	AS N	AS PB	PH	AS P	AS S04	CNT	CNT
										/100ML	/100ML
820412	0730		0.003	0.285	0.52	0.004	6.86	0.041	10.9	170<=>	9200
820506	1130		0.006	0.395	0.60	0.003<	7.22	0.025	9.0	250<=>	12000
820603	1045		0.002	0.075	0.39	0.004	7.51	0.142	10.0	390<=>	3550
820704	1600		0.003	0.010<T	0.45	0.003<	7.38	0.045	10.2	700<=>	240000>
820801	1550		0.002	0.015	0.43	0.006	7.60	0.043	9.7	4600<=>	170000
820830	1130	0.07	0.005	0.240	1.80	0.006	7.42	0.255	11.3	15000	73000
820927	1120		0.003	0.035	0.60	0.003<	7.53	0.068	11.1	1300<=>	37000

MAXIMUM	0.07	0.006	0.395	1.80	0.006	7.60	0.255	11.3	15000	170000
ARITH MEAN	0.07	0.003	0.151<A	0.68	0.005	7.36	0.088	10.3	3201	50792
GEOM MEAN		0.003	0.073<A	0.59		7.36	0.065	10.3	1006	
MINIMUM	0.07	0.002	0.010	0.39	0.004	6.86	0.025	9.0	170	3550
STD DEV (GEOM *)		0.002	0.154<A	0.50		0.25	0.083	0.8	5*	
# SAMP IN STATISTICS	1	7	7	7	4	7	7	7	7	6
% SAMP (EXCLUDED)					42					14

(CONTD)

STATION ID: 03-0133-011-01

STORET CODE: 02  
002  
5430

*=INTERIM		TEST-NAME:	TURB	ZNUT
SAMPLE				ZINC
DATE	HOUR			UNF. TOT.
YYMMDD	LMT	SAMPLE	TURB'ITY	MG/L
		NUMBER	FTU	AS ZN
820412	0730	33019	1.65	0.015
820506	1130	33057	2.70	0.014
820603	1045	33069	6.00	0.004
820704	1600	33092	5.30	0.005
820801	1550	33115	4.20	0.010
820830	1130	33138	13.50	0.001<W
820927	1120	33161	2.70	0.007

MAXIMUM	13.50	0.015
ARITH MEAN	5.15	0.008<A
GEOM MEAN	4.16	0.006<A
MINIMUM	1.65	0.001
STD DEV (GEOM *)	3.99	0.005<A
# SAMP IN STATISTICS	7	7
% SAMP (EXCLUDED)		

B.O.W./ SITE: DUCHESNAY RIVER  
 SAMPLE POINT: HWY.17 UPSTREAM OF NORDFIBRE  
 STATION TYPE: RIVER FLOW GAUGE FED 02DD008

STATION ID: 03-0133-012-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 20 01.71 LONG: 079 30 32.79

U T M: 17 0614750.0 5131999.0 4

REGION: 05

DISTANCE: 114.743

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	/S
820412	1900	33014	0101	5	0.230	5.00	54	0.005	12.00	0.460	4.400
820506	0830	33052	0101	2.7	0.243	1.75	33.1	0.004	10.00	0.370	3.190
820603	0800	33064	0101	3.5	0.257	6.85	55.1	0.005	9.00	0.810	0.751
820704	1800	33087	0101	3.9	0.280	5.20	46.0	0.005	9.01		0.470
820801	1220	33110	0101	4.8	0.370	7.50	56.6	0.008	8.00	1.675	0.155
820830	0820	33133	0101	4.7	0.270	5.00	54.2	0.005	8.00	0.930	0.369
820927	0800	33156	0101	4.2	0.280	3.46	45.0	0.007	9.00	0.875	0.370
MAXIMUM		0.30		5	0.370	7.50	56.6	0.008	12.00	1.675	4.400
ARITH MEAN		0.30		4	0.276	4.97	49	0.006	9.29	0.853	1.386
GEOM MEAN				4	0.273	4.55	48	0.005	9.21	0.757	0.725
MINIMUM		0.30		2.7	0.230	1.75	33.1	0.004	8.00	0.370	0.155
STD DEV (GEOM *)				1	0.046	1.94	8	0.001	1.38	0.463	1.691
# SAMP IN STATISTICS		7		7	7	7	7	7	7	6	7
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	PBLT	PH	PHNOL	PP04FR	PPUT	RSP	
				NICKEL	TOTAL	LEAD		PHENOLS	P04	PHOSPHOR		
SAMPLE			WATER	UNF.TOT.	FIL.REAC	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	
DATE	HOUR	STREAM	TEMP	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.	
YYMMDD	LMT	COND.	DEG.C	AS NI	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	
820412	1900	33014	6	2.0	0.002<	0.118	0.003<	5.87	4	0.0020<T	0.024	3.460
820506	0830	33052	6	12.0	0.002<	0.034	0.003<	5.03	0.2<W	0.0020<T	0.038	5.840
820603	0800	33064	6	13.0	0.001	0.044	0.003<	6.56	0.6<T	0.0710	0.131	3.940
820704	1800	33087	6 7	21.0	0.002	0.030	0.008	6.08	0.6<T	0.0100	0.050	
820801	1220	33110	6	22.0	0.002	0.028	0.006	6.37	0.2<T	0.0165	0.088	6.270
820830	0820	33133	6	14.0	0.002	0.044	0.003<	6.12	2.4	0.0075	0.042	5.300
820927	0800	33156	6	13.0	0.002	0.024	0.003<	6.33	0.8	0.0010<T	0.022	3.460
MAXIMUM			22.0	0.002	0.118	0.008	6.56	4	0.0710	0.131	6.270	
ARITH MEAN			13.9	0.002	0.046	0.007	6.05	1 <A	0.0157<A	0.056	4.712	
GEOM MEAN			11.5		0.040		6.03	1 <A	0.0062<A	0.047	4.574	
MINIMUM			2.0	0.001	0.024	0.006	5.03	0.2	0.0010	0.022	3.460	
STD DEV (GEOM *)			6.6		0.033		0.50	1 <A	0.0250<A	0.040	1.247	
# SAMP IN STATISTICS			7	5	7	2	7	7	7	7	6	
% SAMP (EXCLUDED)				28		71						

(CONTD)



B.O.W./ SITE: DUCHESNAY RIVER  
SAMPLE POINT: HWY.17 UPSTREAM OF NORDFIBRE  
STATION TYPE: RIVER FLOW GAUGE FED 02DD008

STATION ID: 03-0133-012-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
002  
5430

LAT: 46 20 01.71 LONG: 079 30 32.79 U T M: 17 0614750.0 5131999.0 4 REGION: 05 DISTANCE: 114.743

*=INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HR	SAMPLE	MG/L
YYMMDD	LMT	NUMBER	AS ZN
		TURB'ITY	
		FTU	
820412	1900	33014	2.30
820506	0830	33052	2.30
820603	0800	33064	2.30
820704	1800	33087	2.10
820801	1220	33110	1.51
820830	0820	33133	1.84
820927	0800	33156	1.83
	MAXIMUM	2.30	0.032
	ARITH MEAN	2.03	0.019
	GEOM MEAN	2.00	0.017
	MINIMUM	1.51	0.012
	STD DEV (GEOM *)	0.31	0.008
	# SAMP IN STATISTICS	7	7
	% SAMP (EXCLUDED)		

B.O.W./ SITE: DUCHESNAY RIVER  
 SAMPLE POINT: HWY.17B DOWNSTREAM OF NORDFIBRE  
 STATION TYPE: RIVER

STATION ID: 03-0133-013-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 19 42.07 LONG: 079 30 14.61

U T M: 17 0615150.0 5131400.0 4

REGION: 05

DISTANCE: 114.260

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5 BOD 5 DAY TOT.DEM. MG/L AS O	CLIDUR CHLORIDE UNF.REAC MG/L AS CL	COD CHEM. OX DEMAND MG/L AS O	COND25 CONDUCT. 25C UMHO/CM AT 25 C	DO DISOLVED OXYGEN MG/L AS O	DOC CARBON DISOLVED ORGANIC MG/L AS C	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE							
820412	1830	33018	0.30	0101	0.6	10.00	80	12.00		6	2.0
820506	1100	33056	0.30	0101	1.03	3.95	12	42.4		6	12.0
820603	1030	33068	0.30	0101	0.89	11.20	28	74.0		6	13.0
820704	1615	33091	0.30	0101	0.57	10.80	38	74.0	11.5	6	21.0
820801	1520	33114	0.30	0101	1.64	11.60	36	96.6	8.00	6	22.0
820830	1100	33137	0.30	0101	1.04	10.20	48	78.2	8.00	6	14.0
820927	1100	33160	0.30	0101	0.87	8.50	44	73.5	9.00	6	13.0
MAXIMUM		0.30			1.64	11.60	48	96.6	12.00	11.5	22.0
ARITH MEAN		0.30			0.9	9.46	34	74	9.29	11.5	13.9
GEOM MEAN					0.9	9.01	31	72	9.20		11.5
MINIMUM		0.30			0.57	3.95	12	42.4	8.00	11.5	2.0
STD DEV (GEOM *)					0.4	2.63	13	16	1.38		6.6
# SAMP IN STATISTICS		7			7	7	6	7	7	1	7
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PH	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSP RESIDUE PARTIC. MG/L	SS04UR SULPHATE UNF.REAC MG/L AS S04	TURB TURB'ITY FTU
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	NO2+NO3N FIL.REAC MG/L AS N					
820412	1830	33018	0.230	0.66	6.44	0.035	7.040	5.90
820506	1100	33056	0.045	0.33	6.31	0.030	3.870	2.40
820603	1030	33068	0.180	0.72	7.07	0.064	2.990	2.50
820704	1615	33091	0.140	0.60	7.04	0.054	3.160	2.40
820801	1520	33114	0.175	0.75	7.18	0.085	4.220	2.80
820830	1100	33137	0.100	1.08	6.87	0.225	6.800	2.30
820927	1100	33160	0.045	0.56	7.01	0.024	4.420	2.20
MAXIMUM		0.230	1.08	7.18	0.225	7.040	9.2	5.90
ARITH MEAN		0.131	0.67	6.85	0.074	4.643	7.6	2.93
GEOM MEAN		0.111	0.64	6.84	0.056	4.414	7.5	2.75
MINIMUM		0.045	0.33	6.31	0.024	2.990	6.5	2.20
STD DEV (GEOM *)		0.071	0.23	0.34	0.070	1.641	1.0	1.32
# SAMP IN STATISTICS		7	7	7	7	7	7	7
% SAMP (EXCLUDED)								

B.O.W./ SITE: LA VASE RIVER  
 SAMPLE POINT: UPSTREAM FROM DUPONT NORTH BAY  
 STATION TYPE: RIVER FLOW GAUGE MOE 02DD101

STATION ID: 03-0133-014-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 16 18.46 LONG: 079 22 56.31 U T M: 17 0624650.0 5125300.0 4 REGION: 05 DISTANCE: 121.180

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	COND.
820412	1330	33031	0101	17	0.820	3.75	63	0.013	10.00	0.940	6
820502	1300	33046	0101	16.2	0.672	5.65	70.8	0.018	6.00	0.770	6
820607	1130	33081	0101	31.8	0.521	8.20	105.0	0.004	8.00	1.605	6
820705	1320	33104	0101	36.2	0.290	16.50	140.0	0.002	8.00		6
820802	1200	33127	0101	45.1	0.290	16.80	158.0	0.003	8.00	1.705	6
820831	1840	33150	0101	50.9	0.200	33.00	223.0	0.007	7.00	0.940	6
820927	1500	33168	0101	29.9	0.500	10.30	120.0	0.020	8.00	1.280	6
821017	1500	33190	0101	23.0	0.930	6.24	91.4	0.004	6.00	1.150	6
821114	1500	33207	0101	23.9	1.300	7.00	92.4	0.003	9.00	1.620	6
MAXIMUM		0.30		50.9	1.300	33.00	223.0	0.020	10.00	1.705	
ARITH MEAN		0.30		30	0.614	11.94	118	0.008	7.78	1.251	
GEOM MEAN				28	0.523	9.63	110	0.006	7.68	1.205	
MINIMUM		0.30		16.2	0.200	3.75	63	0.002	6.00	0.770	
STD DEV (GEOM *)				12	0.357	9.74	50	0.007	1.30	0.359	
# SAMP IN STATISTICS		9		9	9	9	9	9	9	8	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	TURB
			NICKEL	NH3-N	LEAD		PHENOLS	P04	PHOSPHOR		
SAMPLE		WATER	UNF.TOT.	FIL.REAC	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	TURB'ITY
DATE	HOUR	TEMP	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.	FTU
YYMMDD	LMT	DEG.C	AS NI	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	
820412	1330	33031	1.0	0.002<	0.036	0.003<	6.33	1 <T	0.0100	0.055	12.200
820502	1300	33046	13.0	0.002	0.004<T	0.003<	7.16	1.0	0.0080	0.043	9.430
820607	1130	33081	21.0	0.002<	0.028	0.003	7.49	0.2<W	0.0190	0.083	10.100
820705	1320	33104	19.0	0.002	0.076	0.003<	7.40	1.0	0.0865	0.140	5.320
820802	1200	33127	19.0	0.001	0.116	0.003<	7.39	0.2<W	0.0250	0.130	8.330
820831	1840	33150	17.0	0.002	0.070	0.003<	7.75	0.8	0.0150	0.056	5.430
820927	1500	33168	15.0	0.006	0.006	0.010	7.68	1.4	0.0150	0.063	9.920
821017	1500	33190	7.0	0.003	0.022	0.003<	7.19	1.0	0.0080	0.050	8.630
821114	1500	33207	2.0	0.003	0.002<T	0.003<	7.48	1.0	0.0100	0.048	8.790
MAXIMUM		21.0	0.006	0.116	0.010	7.75	1.4	0.0865	0.140	12.200	14.30
ARITH MEAN		12.7	0.003	0.040<A	0.006	7.32	1 <A	0.0218	0.074	8.683	9.30
GEOM MEAN		8.9		0.021<A		7.31	1 <A	0.0157	0.068	8.410	8.81
MINIMUM		1.0	0.001	0.002	0.003	6.33	0.2	0.0080	0.043	5.320	5.10
STD DEV (GEOM *)		7.5		0.039<A		0.42	0 <A	0.0249	0.036	2.194	3.18
# SAMP IN STATISTICS		9	7	9	2	9	9	9	9	9	9
% SAMP (EXCLUDED)			22		77						

B.O.W./ SITE: LA VASE RIVER  
SAMPLE POINT: UPSTREAM FROM DUPONT NORTH BAY  
STATION TYPE: RIVER FLOW GAUGE MOE 02DD101

STATION ID: 03-0133-014-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
002  
5430

LAT: 46 16 18.46 LONG: 079 22 56.31

U T M: 17 0624650.0 5125300.0 4

REGION: 05

DISTANCE: 121.180

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
SAMPLE UNF.TOT.  
DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN

820412	1330	33031	0.010
820502	1300	33046	0.017
820607	1130	33081	0.009
820705	1320	33104	0.011
820802	1200	33127	0.006
820831	1840	33150	0.005
820927	1500	33168	0.028
821017	1500	33190	0.009
821114	1500	33207	0.011

MAXIMUM 0.028  
ARITH MEAN 0.012  
GEOM MEAN 0.010

MINIMUM 0.005

STD DEV (GEOM \*) 0.007

# SAMP IN STATISTICS 9

% SAMP (EXCLUDED)



B.O.W./ SITE: STURGEON RIVER

SAMPLE POINT: FIRST BRIDGE UPSTREAM FROM CRYSTAL FALLS

STATION TYPE: RIVER FLOW GAUGE FED 02DC003

STATION ID: 03-0133-017-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02

002

5430

LAT: 46 27 46.45

LONG: 079 54 03.04

U T M: 17 0584400.0 5145850.0 4

REGION: 05

DISTANCE: 140.492

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	DOC	FWFLOW	FWSTRC
				BOD 5 DAY TOT.DEM. MG/L AS O	CHLORIDE UNF.REAC MG/L AS CL	CHEM. OX DEMAND MG/L AS O	CONDUCT. 25C UMHO/CM AT 25 C	DISOLVED OXYGEN MG/L AS O	DISOLVED CARBON ORGANIC MG/L AS C	STREAM FLOW M3 /S	STREAM COND.
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE							
820321	0920	33001	0.30	0101		1.70	16	103	8.00	60.900	6
820412	1600	33015	0.30	0101	0.8	10.00		160	8.00	77.000	6
820506	0920	33053	0.30	0101	0.50	0.65	8	50.5	10.00	199.000	6
820603	0845	33065	0.30	0101	0.62	0.75	1 <W	63.2	9.00	56.400	6
820704	1045	33088	0.30	0101	0.34<T	5.25	18	66.2	9.00	19.300	6
820801	1330	33111	0.30	0101	0.33<T	0.60	10	76.7	8.00	0.000	6
820830	0910	33134	0.30	0101	0.61	0.60	2 <T	80.9	7.00	10.400	6
820927	0900	33157	0.30	0101	0.46	0.58	16	62.7	8.00	80.600	6
821017	0845	33179	0.30	0101	0.32<T	0.85	19.1	58.4	6.00	107.000	6
821114	0845	33196	0.30	0101	0.91	0.95	9.1	64.5	8.00	112.000	6
MAXIMUM		0.30			0.91	10.00	19.1	160	10.00	199.000	
ARITH MEAN		0.30			0.5 <A	2.19	11 <A	79	8.10	72.260	
GEOM MEAN					0.5 <A	1.22	8 <A	74	8.03		
MINIMUM		0.30			0.32	0.58	1	50.5	6.00	0.000	
STD DEV (GEOM *)					0.2 <A	3.09	7 <A	32	1.10		
# SAMP IN STATISTICS		10			9	10	9	10	10	10	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB
				K'DAHL N TOTAL		PHOSPHOR		SULPHATE	
						UNF.TOT.		UNF.REAC	
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE NUMBER	WATER TEMP DEG.C	NO2+NO3N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	MG/L AS P	RESIDUE PARTIC. MG/L	MG/L AS S04	TURB'ITY FTU
820321	0920	33001	2.0	2.650	1.45	4.03	0.070	4.0	16.5
820412	1600	33015	2.0	0.065	0.75	7.45	0.033	4.160	8.1
820506	0920	33053	11.0	0.070	0.23	6.94	0.025	6.910	9.6
820603	0845	33065	17.0	0.140	0.40	7.47	0.043	2.380	10.7
820704	1045	33088	24.0	0.025	0.25	7.24	0.010	2.020	10.6
820801	1330	33111	24.0	0.005<T	0.34	7.64	0.024	2.340	10.2
820830	0910	33134	17.0	0.015	0.30	7.77	0.008	1.940	10.8
820927	0900	33157	14.0	0.020	0.35	7.28	0.009	3.580	11.6
821017	0845	33179	9.0	0.025	0.46	7.26	0.014	3.010	12.3
821114	0845	33196	3.0	0.830	0.280	7.40	0.012	2.380	11.89



B.O.W./ SITE: CHIPPEWA CREEK  
 SAMPLE POINT: AT MOUTH AMELIA PARK NORTH BAY  
 STATION TYPE: RIVER FLOW GAUGE FED 02DD014

STATION ID: 03-0133-019-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 18 09.40 LONG: 079 27 47.55

U T M: 17 0618350.0 5128600.0 4

REGION: 05

DISTANCE: 215.163

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	/S
820321	1145	33004	0101	35		135.00	580	0.005	8.00	1.340	0.420
820412	0800	33020	0101	26	0.380	53.00	233	0.005	10.00	1.200	1.200
820420	0700	33037	0101	15.6	0.590	7.90	166.0	0.003	12.00	1.080	2.650
820506	1200	33058	0101	16.2	0.269	46.00	231.0	0.006	10.00	0.925	0.820
820520	1030	33062	0101	31.0		96.00	406.0	0.003	9.00	1.375	0.349
820603	1110	33070	0101	28.6	0.207	59.00	277.0	0.009	10.00	1.490	0.329
820704	1350	33093	0101	42.9	0.190	75.00	360.0	0.008	9.00	1.500	0.135
820801	1620	33116	0101	45.6	0.120	70.00	353.0	0.009	8.00	1.015	0.126
820830	1200	33139	0101		0.140	56.50	302.0	0.004	9.00		0.175
820927	1200	33162	0101	37.6	0.150	70.50	353.0	0.003	10.00	1.400	0.231
821017	1100	33182	0101	21.1	0.300	35.20	196.0	0.012	8.00	1.130	0.721
821114	1100	33199	0101	19.5	0.420	35.00	196.0	0.004	10.00	1.380	1.020
MAXIMUM				0.30	45.6	0.590	135.00	580	0.012	12.00	2.650
ARITH MEAN				0.30	29	0.277	61.59	304	0.006	9.42	0.681
GEOM MEAN					27	0.244	51.87	286	0.005	9.35	0.447
MINIMUM				0.30	15.6	0.120	7.90	166.0	0.003	8.00	0.126
STD DEV (GEOM *)					10	0.150	32.39	116	0.003	1.16	0.717
# SAMP IN STATISTICS				12	11	10	12	12	12	11	12
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT
				NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR
SAMPLE			WATER	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.
DATE	HOUR	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L
YYMMDD	LMT	COND.	DEG.C	AS NI	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P
820321	1145	33004	6	2.0	0.946	3.38	0.003<	6.91	5	0.680	0.625
820412	0800	33020	6	1.0	0.002<	0.004<T	0.003<	6.86	1	0.0285	0.069
820420	0700	33037	6	5.0	0.002<	0.002<W	0.003<	7.02	1.0	0.0030	0.055
820506	1200	33058	6	12.0	0.002<	0.006<T	0.003<	7.03	0.6<T	0.0040	0.043
820520	1030	33062	6	14.0	0.003	0.002<T	0.004	7.78	1.0	0.0050	0.043
820603	1110	33070	6	10.0	0.002	0.006<T	0.003<	7.44	0.2<T	0.0380	0.085
820704	1350	33093	6	20.0	0.002	0.014	0.003<	7.45	0.8	0.0190	0.060
820801	1620	33116	6	19.0	0.001	0.004<T	0.007	7.77	0.4<T	0.0105	0.045
820830	1200	33139	6	13.0	0.001	0.004<T	0.005	7.71	2.2		0.770
820927	1200	33162	6	13.0	0.003	0.004<T	0.003<	7.32	1.6	0.0340	0.095
821017	1100	33182	6	5.0	0.002	0.002<W	0.003<	7.39	1.6	0.0165	0.044
821114	1100	33199	6	1.0	0.003	0.002<T	0.003	7.40	1.8	0.0105	0.052

(CONT'D)



B.O.W./ SITE: CHIPPEWA CREEK  
 SAMPLE POINT: AT MOUTH AMELIA PARK NORTH BAY  
 STATION TYPE: RIVER FLOW GAUGE FED 02DD014

STATION ID: 03-0133-019-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 18 09.40 LONG: 079 27 47.55

U T M: 17 0618350.0 5128600.0 4 REGION: 05

DISTANCE: 215.163

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PP04FR	PPUT	
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL	PO4 FIL.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P	
MAXIMUM				20.0	0.003	0.946	3.38	0.007	7.78	5	0.680	0.770
ARITH MEAN				9.6	0.002	0.083<A	3.38	0.005	7.34	1 <A	0.077	0.165
GEOM MEAN				6.5		0.006<A			7.33	1 <A	0.018	0.086
MINIMUM				1.0	0.001	0.002	3.38	0.003	6.86	0.2	0.0030	0.043
STD DEV (GEOM *)				6.7		0.272<A			0.32	1 <A	0.200	0.251
# SAMP IN STATISTICS				12	8	12	1	4	12	12	11	12
% SAMP (EXCLUDED)					27			66				

*INTERIM TEST-NAME:		RSP	TURB	ZNUT ZINC	
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	RESIDUE PARTIC. MG/L	TURB'ITY FTU	UNF.TOT. MG/L AS ZN
820321	1145	33004	6.9	7.20	0.041
820412	0800	33020	11.900	7.80	0.031
820420	0700	33037	34.500	11.90	0.020
820506	1200	33058	8.300	6.90	0.020
820520	1030	33062	16.000	8.60	0.018
820603	1110	33070	3.650	6.20	0.001
820704	1350	33093	14.100	6.50	0.010
820801	1620	33116	2.820	3.40	0.016
820830	1200	33139	9.050	6.00	0.010
820927	1200	33162	6.660	4.20	0.014
821017	1100	33182	6.430	4.50	0.019
821114	1100	33199	13.700	5.80	0.016
MAXIMUM		34.500	11.90	0.041	
ARITH MEAN		11.2	6.58	0.018	
GEOM MEAN		9.0	6.25	0.014	
MINIMUM		2.820	3.40	0.001	
STD DEV (GEOM *)		8.4	2.25	0.010	
# SAMP IN STATISTICS		12	12	12	
% SAMP (EXCLUDED)					

B.O.W./ SITE: GENESEE CREEK  
 SAMPLE POINT: POWASSAN WATER WORKS  
 STATION TYPE: RIVER FLOW GAUGE FED 02DD102

STATION ID: 03-0133-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 04 55.11 LONG: 079 21 24.57

U T M: 17 0627050.0 5104250.0 4

REGION: 05

DISTANCE: 147.251

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ASUT	CLIDUR	COND25	CUUT	DO	FCMF	FEUT
SAMPLE DATE	HOUR	SAMPLE	PROJECT	ALK	ARSENIC	CHLORIDE	CONDUCT.	COPPER	DISOLVED	FECAL	IRON
YYMMDD	LMT	NUMBER	SUB-PROJ	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	COLIFORM	UNF.TOT.
			CODE	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MF	MG/L
				AS CAC03	AS AS	AS CL	AT 25 C	AS CU	AS O	CNT	AS FE
										/100ML	
820321	1540	33009	0101	20	0.001<	2.25		0.002	12.00		0.780
820412	1230	33029	0101	15			56	0.003	12.00	40<=>	1.180
820502	1145	33044	0101	9.1			41.5	0.014	9.00	10<	0.465
820607	1045	33079	0101	17.0			55.7	0.001<	8.00	80<=>	0.950
820705	1200	33102	0101	16.8			54.8		9.00	20	1.240
820802	1045	33125	0101	21.3			67.1	0.004	8.00	120<=>	1.285
820831	1735	33148	0101	22.0			68.2	0.001<	8.00	190	0.980
820927	1800	33173	0101	20.1			67.3	0.005	9.00	70<=>	1.280
821017	1400	33188	0101	15.8			67.9	0.002	8.00	120	0.830
821114	1400	33205	0101	10.4			60.0	0.002	9.00	50<=>	0.625
MAXIMUM		0.30		22.0		2.25	68.2	0.014	12.00	190	1.285
ARITH MEAN		0.30		17		2.25	60	0.005	9.20	86	0.961
GEOM MEAN				16			59		9.09		0.917
MINIMUM		0.30		9.1		2.25	41.5	0.002	8.00	20	0.465
STD DEV (GEOM *)				4			9		1.55		0.287
# SAMP IN STATISTICS		10		10		1	9	7	10	8	10
% SAMP (EXCLUDED)								22		11	

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH	PHNOL
SAMPLE DATE	HOUR	SAMPLE	WATER	NICKEL	NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD		PHENOLS
YYMMDD	LMT	NUMBER	TEMP	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC
			DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		UG/L
				AS NI	AS N	AS N	AS N	AS N	AS PB	PH	PHENOL
820321	1540	33009	2.0		0.345	0.035	0.110		0.003<		1<T
820412	1230	33029	2.0	0.002<	0.410			0.78	0.003<	7.00	
820502	1145	33044	14.0	0.001<	0.120			0.38	0.003<	6.87	
820607	1045	33079	19.0	0.002<	0.065			0.53	0.005	7.29	
820705	1200	33102	20.0	0.002	0.165			0.65		7.31	
820802	1045	33125	18.0	0.001<	0.120			0.65	0.006	7.38	
820831	1735	33148	12.0	0.002<	0.110			0.63	0.003<	7.57	
820927	1800	33173	14.0	0.001	0.165			0.55	0.004	7.41	
821017	1400	33188	7.0	0.001<	0.165			0.78	0.003<	7.37	
821114	1400	33205	2.0	0.001	0.210			0.540	0.003<	7.00	

B.O.W./ SITE: GENESEE CREEK  
 SAMPLE POINT: POWASSAN WATER WORKS  
 STATION TYPE: RIVER FLOW GAUGE FED 02DD102

STATION ID: 03-0133-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 04 55.11 LONG: 079 21 24.57 U T M: 17 0627050.0 5104250.0 4 REGION: 05 DISTANCE: 147.251

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL
SAMPLE			WATER	NICKEL	NO2+NO3N	NO2-N	NO3-N	FIL.TOT.	LEAD		PHENOLS
DATE	HOUR	SAMPLE	TEMP	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	MG/L	UNF.TOT.		UNF-REAC
YYMMDD	LMT	NUMBER	DEG.C	MG/L	MG/L	MG/L	MG/L	AS N	MG/L	AS PB	UG/L
		STREAM		AS NI	AS N	AS N	AS N			PH	PHENOL
		COND.									
		MAXIMUM	20.0	0.002	0.410	0.035	0.110	0.78	0.006	7.57	1
		ARITH MEAN	11.0	0.001	0.187	0.035	0.110	0.61	0.005	7.24	1<A
		GEOM MEAN	7.9		0.164			0.60		7.24	
		MINIMUM	2.0	0.001	0.065	0.035	0.110	0.38	0.004	6.87	1
		STD DEV (GEOM *)	7.2		0.109			0.13		0.23	
		# SAMP IN STATISTICS	10	3	10	1	1	9	3	9	1
		% SAMP (EXCLUDED)		66					66		

*INTERIM TEST-NAME:		PPUT	SS04UR	TCMF COLIFORM TOTAL	TCMFBK COLIFORM TOTAL MF BCKGRD	TURB	ZNUT
SAMPLE		PHOSPHOR	SULPHATE				ZINC
DATE	HOUR	UNF.TOT.	UNF.REAC	MF	TOTAL MF		UNF.TOT.
YYMMDD	LMT	MG/L	MG/L	CNT	CNT	TURB'ITY	MG/L
		AS P	AS S04	/100ML	/100ML	FTU	AS ZN
820321	1540	33009	0.070				0.012
820412	1230	33029	0.078	7.7	6600	18500	0.012
820502	1145	33044	0.026	8.1	1200	8400	0.007
820607	1045	33079	0.045	6.9	1200	15000>	0.006
820705	1200	33102	0.050	6.7	600<=>	73000	
820802	1045	33125	0.058	7.6	500<=>	16500	0.006
820831	1735	33148	0.045	7.6	3100<=>	110000	0.002
820927	1800	33173	0.060	8.5	1000	18000	0.005
821017	1400	33188	0.060	11.0	6200<=>	38000	0.004
821114	1400	33205	0.037	9.00	5300<=>	240000>	0.006
		MAXIMUM	0.078	11.0	6600	110000	0.012
		ARITH MEAN	0.053	8.1	2856	40343	0.007
		GEOM MEAN	0.051	8.0	1878		0.006
		MINIMUM	0.026	6.7	500	8400	0.002
		STD DEV (GEOM *)	0.015	1.3	3*		0.003
		# SAMP IN STATISTICS	10	9	9	7	9
		% SAMP (EXCLUDED)				22	

B.O.W./ SITE: GENESEE CREEK  
 SAMPLE POINT: AT HIGHWAY 11 POWASSAN  
 STATION TYPE: RIVER

STATION ID: 03-0133-022-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 05 02.25 LONG: 079 22 10.92 U T M: 17 0626050.0 5104450.0 4 REGION: 05 DISTANCE: 145.642

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CUUT	DO	FCMF	FEUT	FWSTRC
				ALK	CHLORIDE	CONDUCT.	COPPER	DISOLVED	FECAL	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.REAC	25C	UNF.TOT.	OXYGEN	COLIFORM	UNF.TOT.	
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MF	MG/L	STREAM
YYMMDD	LMT	M	CODE	AS CAC03	AS CL	AT 25 C	AS CU	AS O	CNT	AS FE	COND.
		NUMBER							/100ML		
820321	1600	33010	0101	20	128.00	490	0.004	12.00			6
820412	1245	33030	0101	19	6.70	80	0.002	12.00	60<=>	1.280	6
820502	1210	33045	0101	11.9	1.70	47.8	0.004	9.00	10<=>	0.500	6
820607	1100	33080	0101	21.6	2.80	69.7	0.001	8.00	120	0.960	6
820705	1220	33103	0101	20.1	2.65	68.3	0.002	9.00	124		6
820802	1110	33126	0101	25.9	3.80	85.7	0.004	8.00	100<=>	1.385	6
820831	1755	33149	0101		4.75	92.2	0.001	8.00	40<=>		6
820927	1820	33174	0101	24.6	4.10	88.0	0.002	9.00	60<=>	1.120	
821017	1420	33189	0101	17.9	5.85	86.1	0.002		110	0.860	6
821114	1420	33206	0101	14.1	4.77	70.2	0.003	9.00	100	0.345	6
MAXIMUM		0.30		25.9	128.00	490	0.004	12.00	124	1.385	
ARITH MEAN		0.30		19	16.51	118	0.002	9.33	80	0.921	
GEOM MEAN				19	5.43	91	0.002	9.22	66	0.835	
MINIMUM		0.30		11.9	1.70	47.8	0.001	8.00	10	0.345	
STD DEV (GEOM *)				4	39.20	131	0.001	1.58	2*	0.387	
# SAMP IN STATISTICS		10		9	10	10	10	9	9	7	
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PHNOL
			NICKEL	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD		PHENOLS
SAMPLE		WATER	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC
DATE	HOUR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		UG/L
YYMMDD	LMT	DEG.C	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	PHENOL
820321	1600	33010	2.0	0.196	0.350	0.027	0.325	0.70	0.003<	7.29	1<T
820412	1245	33030	2.0	0.002<	0.008	0.465		0.70	0.003<	6.48	
820502	1210	33045	14.0	0.001<	0.020	0.110		0.36	0.003<	6.95	
820607	1100	33080	19.0	0.002<	0.074	0.085		0.53	0.004	7.52	
820705	1220	33103	20.0	0.001<	0.076	0.195		0.71	0.003<	7.31	
820802	1110	33126	18.0	0.001<	0.056	0.170		0.63	0.003<	7.45	
820831	1755	33149	12.0	0.002<	0.052	0.115		0.53	0.003<		
820927	1820	33174	14.0	0.001	0.004<T	0.180		0.55	0.005	7.70	
821017	1420	33189	7.0	0.001<	0.042	0.140		0.76	0.003<	7.37	
821114	1420	33206	2.0	0.001	0.002<W	0.230		0.520	0.003	7.34	

B.O.W./ SITE: GENESEE CREEK  
 SAMPLE POINT: AT HIGHWAY 11 POWASSAN  
 STATION TYPE: RIVER

STATION ID: 03-0133-022-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 05 02.25 LONG: 079 22 10.92 U T M: 17 0626050.0 5104450.0 4 REGION: 05 DISTANCE: 145.642

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	
		NICKEL							LEAD		PHENOLS	
SAMPLE DATE	HR	WATER TEMP	UNF.TOT. MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.TOT. MG/L	UNF.TOT. MG/L		UNF-REAC UG/L	
YYMMDD	LMT	DEG.C	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	PHENOL	
		MAXIMUM	20.0	0.001	0.196	0.465	0.027	0.325	0.76	0.005	7.70	1
		ARITH MEAN	11.0	0.001	0.053<A	0.204	0.027	0.325	0.60	0.004	7.27	1<A
		GEOM MEAN	7.9		0.027<A	0.179			0.59		7.26	
		MINIMUM	2.0	0.001	0.002	0.085	0.027	0.325	0.36	0.003	6.48	1
		STD DEV (GEOM *)	7.2		0.057<A	0.119			0.12		0.36	
# SAMP	IN	STATISTICS	10	2	10	10	1	1	10	3	9	1
% SAMP	(EXCLUDED)			77						70		

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSP	SS04UR	TCMF COLIFORM TOTAL	TCMFBK COLIFORM TOTAL MF	TURB	ZNUT	
		P04 FIL.REAC	PHOSPHOR	RESIDUE	SULPHATE				ZINC	
SAMPLE DATE	HR	MG/L	UNF.TOT. MG/L	PARTIC. MG/L	UNF.REAC MG/L	MF CNT	BCKGRD CNT	TURB'ITY FTU	UNF.TOT. MG/L	
YYMMDD	LMT	AS P	AS P		AS S04	/100ML	/100ML		AS ZN	
82Q321	1600	33010	0.001 <W	0.625				5.30	0.020	
820412	1245	33030	0.0145	0.078	28.800	7.9	4000	16000	0.009	
820502	1210	33045	0.0030	0.028	11.000	8.2	20<	20<=>	0.007	
820607	1100	33080	0.0050	0.058	7.570	7.4	1000<=>	110000	0.007	
820705	1220	33103	0.0060	0.054	14.5	6.9	3000<=>	1740000	0.007	
820802	1110	33126	0.0085	0.078	11.300	7.7	10000<	2600000	0.005	
820831	1755	33149	0.0040	0.036	7.290	9.1	300<=>	56000	0.003	
820927	1820	33174	0.0030	0.045	21.200	9.0	1700	17000	0.005	
821017	1420	33189	0.0165	0.061	8.100	11.1	2100<=>	36000	0.006	
821114	1420	33206	0.0050	0.038	8.340		6100<=>	150000	0.008	
		MAXIMUM	0.0165	0.625	28.800	11.1	6100	2600000	18.90	0.020
		ARITH MEAN	0.007 <A	0.110	13.1	8.4	2600	525002	7.35	0.008
		GEOM MEAN	0.005 <A	0.065	11.7	8.3		45395	6.75	0.007
		MINIMUM	0.001	0.028	7.290	6.9	300	20	5.10	0.003
		STD DEV (GEOM *)	0.005 <A	0.182	7.4	1.3		31*	4.14	0.005
# SAMP	IN	STATISTICS	10	10	9	8	7	9	10	10
% SAMP	(EXCLUDED)						22			

B.O.W./ SITE: SOUTH RIVER  
SAMPLE POINT: AT HWY.NO.11 NORTH OF SOUTH RIVER  
STATION TYPE: RIVER FLOW GAUGE FED 02DD009

STATION ID: 03-0133-023-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
002  
5430

LAT: 45 50 53.84 LONG: 079 22 47.35 U T M: 17 0625800.0 5078250.0 4 REGION: 05 DISTANCE: 53.268

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	/S
820321	1245	33005	0101	10	0.067	3.10	55	0.004	12.00	0.570	4.700
	MAXIMUM	0.30		10	0.067	3.10	55	0.004	12.00	0.570	4.700
	ARITH MEAN	0.30		10	0.067	3.10	55	0.004	12.00	0.570	4.700
	GEOM MEAN										
	MINIMUM	0.30		10	0.067	3.10	55	0.004	12.00	0.570	4.700
	STD DEV (GEOM *)										
	# SAMP IN STATISTICS	1		1	1	1	1	1	1	1	1
	% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	
				NICKEL	NH3-N	LEAD		PHENOLS	P04	PHOSPHOR		
				UNF.TOT.	TOTAL	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	
SAMPLE		STREAM	WATER	MG/L	FIL.REAC	MG/L		UG/L	MG/L	MG/L	PARTIC.	
DATE	HOUR	COND.	TEMP	AS NI	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	
YYMMDD	LMT		DEG.C									
820321	1245	33005	6	2.0	0.002	0.246	0.006	7.01	1<T	0.003	0.023	2.4
	MAXIMUM		2.0	0.002	0.246	0.006	7.01	1	0.003	0.023	2.4	
	ARITH MEAN		2.0	0.002	0.246	0.006	7.01	1<A	0.003	0.023	2.4	
	GEOM MEAN											
	MINIMUM		2.0	0.002	0.246	0.006	7.01	1	0.003	0.023	2.4	
	STD DEV (GEOM *)											
	# SAMP IN STATISTICS		1	1	1	1	1	1	1	1	1	
	% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		TURB	ZNUT	
			ZINC	
			UNF.TOT.	
SAMPLE		TURB'ITY	MG/L	
DATE	HOUR	FTU	AS ZN	
YYMMDD	LMT			
820321	1245	33005	1.45	0.022
	MAXIMUM	1.45	0.022	
	ARITH MEAN	1.45	0.022	
	GEOM MEAN			
	MINIMUM	1.45	0.022	
	STD DEV (GEOM *)			
	# SAMP IN STATISTICS	1	1	
	% SAMP (EXCLUDED)			

B.O.W./ SITE: LA VASE RIVER  
SAMPLE POINT: AT MOUTH NORTH BAY

STATION ID: 03-0133-024-02

STATION TYPE: RIVER FLOW GAUGE FED 02DD013

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER MAIN CHANNELSTORET CODE: 02  
002  
5430

LAT: 46 14 36.78 LONG: 079 25 19.39 U T M: 17 0621650.0 5122100.0 4 REGION: 05 DISTANCE: 0.322

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FCMF	FEUT
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	FECAL	IRON
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	COLIFORM	UNF.TOT.
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MF	MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	CNT	AS FE
										/100ML	
820412	0930	33023	0101	16			80	0.005	10.00	10<=>	1.180
820502	0830	33038	0101	14.0			87.2	0.009	6.00	20<=>	0.925
820603	1220	33073	0101	22.1			127.6	0.005	7.00	30<=>	1.155
820705	0800	33096	0101	25.6			140.0	0.005	8.00	8	1.050
820801	1730	33119	0101	24.7			144.0	0.006	8.00	4<	0.570
820830	1320	33142	0101	39.4	0.180	23.50	186.0	0.002	7.00	10<=>	0.290
820927	1330	33165	0101	23.3			150.0	0.001<	7.00	30<=>	1.130
821017	1130	33183	0101	17.6			96.9	0.005	6.00	150	1.380
821114	1130	33200	0101	15.6			84.6	0.004	9.00	130	1.700
MAXIMUM		0.30		39.4	0.180	23.50	186.0	0.009	10.00	150	1.700
ARITH MEAN		0.30		22	0.180	23.50	122	0.005	7.56	48	1.042
GEOM MEAN				21			117		7.45		0.941
MINIMUM		0.30		14.0	0.180	23.50	80	0.002	6.00	8	0.290
STD DEV (GEOM *)				8			37		1.33		0.417
# SAMP IN STATISTICS		9		9	1	1	9	8	9	8	9
% SAMP (EXCLUDED)								11		11	

*=INTERIM TEST-NAME:		FWFLOW	FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PP04FR
					NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		P04
SAMPLE		STREAM		WATER	UNF.TOT.	TOTAL	FIL.REAC	TOTAL	UNF.TOT.		FIL.REAC
DATE	HR	FLOW		TEMP	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L
YYMMDD	LMT	M3	STREAM	DEG.C	AS NI	AS N	AS N	AS N	AS PB	PH	AS P
		/S	COND.								
820412	0930	33023	6	1.0	0.002<		0.790	0.73	0.003<	6.78	
820502	0830	33038	6	13.0	0.001		0.730	1.00	0.003<	6.69	
820603	1220	33073	6	18.1	0.003		1.850	0.91	0.004	7.62	
820705	0800	33096	6	19.0	0.002		1.700	0.90	0.003<	7.35	
820801	1730	33119	6	23.0	0.001		2.200	0.90	0.005	7.51	
820830	1320	33142	6	17.0	0.001<	0.018			0.004	7.74	0.0095
820927	1330	33165	6	15.0	0.002		1.500	0.90	0.003<	7.41	
821017	1130	33183	6	7.0	0.004		0.450	0.85	0.004	7.32	
821114	1130	33200	6	2.0	0.003		0.580	0.825	0.003<	7.29	
MAXIMUM		3.080		23.0	0.004	0.018	2.200	1.00	0.005	7.74	0.0095
ARITH MEAN		0.967		12.8	0.002	0.018	1.225	0.88	0.004	7.30	0.0095
GEOM MEAN		0.407		8.9			1.057	0.87		7.29	
MINIMUM		0.080		1.0	0.001	0.018	0.450	0.73	0.004	6.69	0.0095
STD DEV (GEOM *)		1.152		7.8			0.665	0.08		0.35	
# SAMP IN STATISTICS		9		9	7	1	8	8	4	9	1
% SAMP (EXCLUDED)					22				55		

B.O.W./ SITE: LA VASE RIVER  
 SAMPLE POINT: AT MOUTH NORTH BAY  
 STATION TYPE: RIVER FLOW GAUGE FED 02DD013

STATION ID: 03-0133-024-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 14 36.78 LONG: 079 25 19.39

U T M: 17 0621650.0 5122100.0 4

REGION: 05

DISTANCE: 0.322

*=INTERIM TEST-NAME:		PPUT	RSP	SS04UR	TCMF	TCMFBK	TURB	ZNUT	
		PHOSPHOR		SULPHATE	COLIFORM	COLIFORM		ZINC	
SAMPLE		UNF.TOT.	RESIDUE	UNF.REAC	TOTAL	TOTAL MF		UNF.TOT.	
DATE	HR	MG/L	PARTIC.	MG/L	MF	BCKGRD	TURB'ITY	MG/L	
YYMMDD	LMT	AS P	MG/L	AS S04	CNT	CNT	FTU	AS ZN	
820412	0930	33023	0.098		7.3	5200	9800	14.80	0.010
820502	0830	33038	0.038		8.3	420<=>	12000	11.80	0.015
820603	1220	33073	0.048		11.0 U	1400	17000	7.10	0.018
820705	0800	33096	0.070		10.0	1000<=>	107000	6.90	0.006
820801	1730	33119	0.058		12.8	1000<=>	240000>	3.80	0.014
820830	1320	33142	0.029	4.470		1100<=>	120000	3.70	0.014
820927	1330	33165	0.058		11.6	3500<=>	75000	6.30	0.007
821017	1130	33183	0.052		9.8	2900	20000	10.20	0.012
821114	1130	33200	0.055		8.67	16000	130000	17.40	0.010
MAXIMUM		0.098	4.470	12.8	16000	130000	17.40	0.018	
ARITH MEAN		0.056	4.470	9.9	3613	61350	9.11	0.012	
GEOM MEAN		0.053		9.8	2014		8.00	0.011	
MINIMUM		0.029	4.470	7.3	420	9800	3.70	0.006	
STD DEV (GEOM *)		0.020		1.8	3*		4.79	0.004	
# SAMP IN STATISTICS		9	1	8	9	8	9	9	
% SAMP (EXCLUDED)						11			



B.O.W./ SITE: CHIPPEWA CREEK  
 SAMPLE POINT: AT GOLF CLUB ROAD NORTH BAY  
 STATION TYPE: RIVER

STATION ID: 03-0133-025-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 20 41.05 LONG: 079 27 01.19 U T M: 17 0619250.0 5133300.0 4 REGION: 05 DISTANCE: 220.152

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FCMF FECAL COLIFORM	FEUT
SAMPLE DATE YYMMDD	HR LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	FCMF MF CNT /100ML	IRON UNF.TOT. MG/L AS FE
820321	0830	33000	0101	27	0.260	40.50	225	0.007	8.00		1.440
820412	0700	33013	0101	23	0.310	18.00	136	0.003	10.00	10<	0.910
820429	0630	33036	0101	7.8	0.480	8.40	75.1	0.006	12.00	10<	0.950
820506	0800	33051	0101	10.4	0.312	10.00	92.7	0.008	10.00	56<=>	0.985
820520	1000	33061	0101	20.8	0.800	18.00	141.0	0.010	9.00	1100	1.885
820603	0730	33063	0101	20.6	0.264	17.00	136.0	0.006	10.00	50<=>	
820704	1820	33086	0101	32.4	0.120	20.40	170.0	0.008	9.00	10<	
820801	1200	33109	0101	35.3	0.075	21.80	185.0	0.011	8.00	10<=>	1.235
820830	0800	33132	0101	29.6	0.079	17.20	166.0	0.100	9.00	10<	1.280
820927	0730	33155	0101	26.7	0.120	15.50	146.0	0.006	10.00	10<=>	1.380
821017	0800	33178	0101	15.9	0.260	9.07	91.9	0.004	8.00	10<	1.010
821114	0800	33195	0101	11.7	0.300	7.20	80.1	0.380	12.00		1.200
MAXIMUM		0.30		35.3	0.800	40.50	225	0.380	12.00	1100	1.885
ARITH MEAN		0.30		22	0.282	16.92	137	0.046	9.58	245	1.227
GEOM MEAN				20	0.225	15.14	130	0.011	9.50		1.198
MINIMUM		0.30		7.8	0.075	7.20	75.1	0.003	8.00	10	0.910
STD DEV (GEOM *)				9	0.202	8.91	46	0.109	1.38		0.296
# SAMP IN STATISTICS		12		12	12	12	12	12	12	5	10
% SAMP (EXCLUDED)										50	

*=INTERIM TEST-NAME:		FSMF FECAL STREPCUS	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	PBUT	PH	PHNOL	PP04FR	PPUT
SAMPLE DATE YYMMDD	HR LMT	SAMPLE CNT NUMBER	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL	P04 FIL.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P
820321	0830	33000	6	2.0	0.002	1.600	0.003<	7.42	1 <T	0.006	0.040
820412	0700	33013	6	0.0	0.002<	0.530	0.003<	7.32	1 <T	0.0010<T	0.030
820429	0630	33036	6	4.0	0.002<	0.006<T	0.003<	7.28	1.8	0.0010<T	0.055
820506	0800	33051	6	12.0	0.002	0.010	0.003<	6.50	0.6<T	0.0060	0.050
820520	1000	33061	20<=> 6	14.0	0.002	0.002<T	0.003	6.99	0.6<T	0.0030	0.033
820603	0730	33063	6	10.0	0.001	0.006	0.001<W	7.49	0.6<T	0.0380	0.080
820704	1820	33086	6	20.0	0.002	0.010	0.003<	7.43	1.2	0.0020<T	0.015
820801	1200	33109	6	19.0	0.002	0.294	0.007	7.27	0.2<T	0.0010<T	0.043
820830	0800	33132	6	12.0	0.001	0.004<T	0.002	7.79	2.0	0.0435	0.066
820927	0730	33155	6	12.0	0.003	0.110	0.003<	7.45	0.8	0.0005<W	0.015
821017	0800	33178	6	5.0	0.003	0.210	0.003<	7.31	1.2	0.0015<T	0.016
821114	0800	33195	6	1.0	0.003	0.002<T	0.003<	7.09	1.6	0.0060	0.029

B.O.W./ SITE: CHIPPEWA CREEK  
 SAMPLE POINT: AT GOLF CLUB ROAD NORTH BAY  
 STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

STATION ID: 03-0133-025-02

LAT: 46 20 41.05 LONG: 079 27 01.19 U T M: 17 0619250.0 5133300.0 4 REGION: 05 DISTANCE: 220.152

*=INTERIM TEST-NAME:		FSMF FECAL STREPCUS MF CNT /100ML	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	PBUT	PH	PHNOL	PP04FR	PPUT
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	UNF.TOT. MG/L AS NI	UNF.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL	P04 FIL.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P
		MAXIMUM	20	20.0	0.003	1.600	0.007	7.79	2.0	0.0435	0.080
		ARITH MEAN	20	9.2	0.002	0.232<A	0.003<A	7.28	1 <A	0.009 <A	0.039
		GEOM MEAN				0.029<A		7.27	1 <A	0.003 <A	0.034
		MINIMUM	20	0.0	0.001	0.002	0.001	6.50	0.2	0.0005	0.015
		STD DEV (GEOM *)				0.461<A		0.32	1 <A	0.015 <A	0.021
		# SAMP IN STATISTICS	1	12	10	12	4	12	12	12	12
		% SAMP (EXCLUDED)			16		66				

*=INTERIM TEST-NAME:		RSP	TCMF COLIFORM TOTAL MF CNT /100ML	TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML	TURB	ZNUT
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	RESIDUE PARTIC. MG/L		TURB'ITY FTU	ZINC UNF.TOT. MG/L AS ZN
820321	0830	33000	9.1		6.20	0.022
820412	0700	33013	9.880	310	450	0.020
820429	0630	33036	42.500	570	1700	0.016
820506	0800	33051	16.700	15000>	15000>	0.017
820520	1000	33061	9.410	150000<=>	670000	0.019
820603	0730	33063		760<=>	21800	0.016
820704	1820	33086	1.790	1200<=>	86000	0.011
820801	1200	33109	3.070	700<=>	9000	0.021
820830	0800	33132	14.500	380<=>	22000	0.008
820927	0730	33155	3.710	2700<=>	46000	0.024
821017	0800	33178	5.620	3100	4900	0.030
821114	0800	33195	10.100		3.30	0.019
		MAXIMUM	42.500	150000	670000	0.030
		ARITH MEAN	11.5	17747	95761	0.019
		GEOM MEAN	8.1			0.018
		MINIMUM	1.790	310	450	0.008
		STD DEV (GEOM *)	11.3			0.006
		# SAMP IN STATISTICS	11	9	9	12
		% SAMP (EXCLUDED)		10	10	

B.O.W./ SITE: PARKS CREEK  
 SAMPLE POINT: AT LAKESHORE DRIVE NORTH BAY  
 STATION TYPE: RIVER

STATION ID: 03-0133-026-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 16 34.56 LONG: 079 26 42.45 U T M: 17 0619800.0 5125700.0 4 REGION: 05 DISTANCE: 0.161

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FCMF	FEUT
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	FECAL	IRON
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	COLIFORM	UNF.TOT.
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MF	MG/L
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	CNT	AS FE
										/100ML	
820412	0900	33022	0101	28			232	0.004	9.00	20<=>	1.200
820506	1300	33060	0101	32.0			244.0	0.003	7.00	84	1.620
820603	1200	33072	0101	56.0			519.0	0.005	7.00	452	3.595
820705	0730	33095	0101	42.2			235.0	0.006	6.00	28	1.685
820801	1700	33118	0101	54.9			446.0	0.005	6.00	160<=>	2.380
820830	1250	33141	0101		0.170	42.00	247.0	0.003	7.00	760<=>	
820927	1310	33164	0101	43.9			295.0	0.002	7.00	220	1.180
MAXIMUM		0.30		56.0	0.170	42.00	519.0	0.006	9.00	760	3.595
ARITH MEAN		0.30		43	0.170	42.00	317	0.004	7.00	246	1.943
GEOM MEAN				41			301	0.004	6.94	128	1.792
MINIMUM		0.30		28	0.170	42.00	232	0.002	6.00	20	1.180
STD DEV (GEOM *)				11			117	0.001	1.00	4*	0.919
# SAMP IN STATISTICS		7		6	1	1	7	7	7	7	6
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT	RSP
				NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	
SAMPLE DATE	HOUR	SAMPLE	WATER	UNF.TOT.	TOTAL	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF.TOT.	RESIDUE
YYMMDD	LMT	NUMBER	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	PARTIC.
			DEG.C	AS NI	AS N	AS N	AS N	AS PB	PH	AS P	MG/L
			COND.								
820412	0900	33022	6	2.0	0.003		0.250	0.003	6.65	0.078	
820506	1300	33060	6	12.0	0.005		0.165	0.003<	7.25	0.065	
820603	1200	33072	6	15.0	0.004		0.075	0.003<	7.42	0.047	
820705	0730	33095	6	20.0	0.003		0.230	0.003<	7.44	0.068	
820801	1700	33118	6	22.0	0.002		0.125	0.006	7.86	0.053	
820830	1250	33141	6	15.0	0.002	0.002<T		0.005	7.75	0.172	6.300
820927	1310	33164	6	15.0	0.005		0.085	0.003<	7.48	0.038	
MAXIMUM			22.0	0.005	0.002	0.250	1.13	0.006	7.86	0.172	6.300
ARITH MEAN			14.4	0.003	0.002<A	0.155	0.86	0.005	7.41	0.074	6.300
GEOM MEAN			12.0	0.003		0.140	0.85		7.40	0.066	
MINIMUM			2.0	0.002	0.002	0.075	0.68	0.003	6.65	0.038	6.300
STD DEV (GEOM *)			6.5	0.001		0.073	0.17		0.39	0.045	
# SAMP IN STATISTICS			7	7	1	6	6	3	7	7	1
% SAMP (EXCLUDED)								57			

B.O.W./ SITE: PARKS CREEK  
 SAMPLE POINT: AT LAKESHORE DRIVE NORTH BAY  
 STATION TYPE: RIVER

STATION ID: 03-0133-026-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
 002  
 5430

LAT: 46 16 34.56 LONG: 079 26 42.45 U T M: 17 0619800.0 5125700.0 4 REGION: 05 DISTANCE: 0.161

*INTERIM TEST-NAME:		SS04UR	TCMF	TCMFBK	TURB	ZNUT	
		SULPHATE	COLIFORM	COLIFORM		ZINC	
		UNF.REAC	TOTAL	TOTAL MF		UNF.TOT.	
SAMPLE		MG/L	MF	BCKGRD		MG/L	
DATE	HR	CNT	CNT		TURB'ITY		
YYMMDD	LMT	AS S04	/100ML	/100ML	FTU	AS ZN	
820412	0900	33022	8.8	550<=>	4600	9.20	0.081
820506	1300	33060	8.6	3200	20500	7.50	0.057
820603	1200	33072	13.0U	3800<=>	35000	11.50	0.028
820705	0730	33095	7.7	2300<=>	71000	6.50	0.015
820801	1700	33118	8.0	4300<=>	140000	7.80	0.022
820830	1250	33141		15000<=>	590000	6.90	0.011
820927	1310	33164	10.0	12000	240000	4.60	0.190
MAXIMUM		13.0	15000	590000	11.50	0.190	
ARITH MEAN		9.3	5879	157300	7.71	0.058	
GEOM MEAN		9.2	3822	64502	7.45	0.037	
MINIMUM		7.7	550	4600	4.60	0.011	
STD DEV (GEOM *)		2.0	3*	5*	2.18	0.064	
# SAMP IN STATISTICS		6	7	7	7	7	
% SAMP (EXCLUDED)							

B.O.W./ SITE: STURGEON RIVER  
SAMPLE POINT: DOWNSTREAM FROM HIGHWAY NO 17  
STATION TYPE: RIVER

STATION ID: 03-0133-028-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
002  
5430

**LAT: 46 21 56.05    LONG: 079 56 02.39**

U T M: 17 0582000.0 5135000.0 4

REGION: 05

**DISTANCE: 123.755**

[illegible]

B.O.W. / SITE: STURGEON RIVER  
SAMPLE POINT: DOWNSTREAM FROM HIGHWAY NO 17  
STATION TYPE: RIVER

STATION ID: 03-0133-028-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER MAIN CHANNEL

STORET CODE: 02  
002  
5430

LAT: 46 21 56.05 LONG: 079 56 02.39 U T M: 17 0582000.0 5135000.0 4 REGION: 05 DISTANCE: 123.755

*INTERIM		TEST-NAME:	NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB
			NO2+NO3N	K'DAHL N		PHOSPHOR		SULPHATE	
			FIL.REAC	TOTAL		UNF.TOT.	RESIDUE	UNF.REAC	
SAMPLE			MG/L	MG/L		MG/L	PARTIC.	MG/L	TURB'ITY
DATE	HOUR	SAMPLE	AS N	AS N	PH	AS P	MG/L	AS S04	FTU
YYMMDD	LMT	NUMBER							
820321	1100	33003	0.090	0.50	7.07	0.020	3.9	13.0	4.40
820412	1740	33017	0.145	0.39	6.47	0.016	4.530	11.9	3.80
820506	1030	33055	0.005<T	0.40	6.69	0.038	14.300	9.6	6.60
820603	1030	33067	0.005<T	0.53	7.27	0.048	4.760	11.6	4.10
820614	1155	34580	0.035	0.27	7.35	0.020	2.340	10.8	1.66
820622	1150	34583	0.035	0.25	7.17	0.012	2.710	10.5	1.38
820704	1720	33090	0.015	0.48	7.39	0.018	2.340	10.6	1.66
820705	1650	34586	0.010<T	0.33	6.73	0.017	1.320	11.9	4.30
820714	1214	34589	0.005<T	0.38	6.84	0.034	14.200	12.5	7.10
820721	1212	34592	0.005<T	0.35	7.48	0.028	4.970	12.3	4.80
820801	1445	33113	0.005<T	0.49	7.46	0.015	2.690	10.7	1.28
820803	1245	34595	0.010<T	0.66	6.96	0.065	21.800	11.5	8.30
820810	1243	34598	0.005	0.43	6.67	0.045	9.750	12.5	8.10
820818	1046	34601	0.010<T	0.53	6.63	0.085	10.100	12.4	9.70
820823	1515	34676	0.005<T	0.35	6.84	0.038	13.600	12.3	8.60
820830	1015	33136	0.005<W	0.32	7.69	0.007	3.090	11.0	2.20
820901	1050	34679	0.005<T	0.23	7.46	0.012	4.900	12.4	2.30
820908	1548	34682	0.005<W	0.25	7.61	0.005	3.780	11.4	1.43
820915	1255	34685	0.005<T	0.22	7.23	0.006	2.250	12.4	1.89
820922	1330	34688	0.005	0.24	7.22	0.006		12.7	1.69
820927	0930	33159	0.020	0.41	7.44	0.013	4.740	11.8	2.10
821017	1015	33181	0.020	0.38	7.40	0.014	7.610	12.6	2.80
821114	1015	33198	0.290	0.310	7.45	0.011	4.680	11.88	2.50

MAXIMUM	0.290	0.66	7.69	0.085	21.800	13.0	9.70
ARITH MEAN	0.032<A	0.38	7.15	0.025	6.6	11.8	4.03
GEOM MEAN	0.012<A	0.36	7.14	0.019	5.0	11.7	3.26
MINIMUM	0.005	0.22	6.47	0.005	1.320	9.6	1.28
STD DEV (GEOM *)	0.065<A	0.11	0.35	0.020	5.3	0.9	2.71
# SAMP IN STATISTICS	23	23	23	23	22	23	23
% SAMP (EXCLUDED)							

B.O.W./ SITE: WANAPITEI RIVER  
SAMPLE POINT: AT BRIDGE IN ST. CLOUD  
STATION TYPE: RIVER FLOW GAUGE FED 02DB005

STATION ID: 03-0134-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02  
002  
5500

LAT: 46 23 44.03 LONG: 080 48 02.87 U T M: 17 0515315.0 5137800.0 4 REGION: 05 DISTANCE: 72.740

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW
SAMPLE				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW
YMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	/S
820214	1745	34032	0101	16		0.95	92	0.008	13.00	0.16	51.100
820314	1730	34064	0101	19		2.15	103	0.009	12.00	0.23	49.800
820417	1740	34093	0101	12.0	0.590	2.50	81.5	0.045	10.00	0.760	75.800
820515	1750	34121	0101	15.8	0.140	2.85	110.0	0.010	12.00	0.260	9.030
820612	1535	34153	0101	16.3	0.130	3.50	138.0	0.015	12.00	0.315	7.160
820717	1610	34185	0101	18.5	0.160	0.95	90.7	0.008	12.00	0.255	14.800
820814	1600	34217	0101	19.5	0.046	0.65	81.5	0.005	12.00	0.160	11.800
820920	1605	34249	0101	20.3	0.280	6.10	145.0	0.049	12.00	0.370	12.300
821016	1530	34281	0101	16.4	0.140	1.16	89.4	0.013	12.00	0.295	70.800
821112	0730	34292	0101	20.8	0.150	1.30	89.3	0.010	12.00	0.210	40.800
821213	0800	34324	0101	17.3	0.100	12.90	87.4	0.007	13.00	0.155	41.900
	MAXIMUM	0.30		20.8	0.590	12.90	145.0	0.049	13.00	0.760	75.800
	ARITH MEAN	0.30		17	0.193	3.18	101	0.016	12.00	0.29	35.026
	GEOM MEAN			17	0.153	2.11	99	0.012	11.98	0.26	25.709
	MINIMUM	0.30		12.0	0.046	0.65	81.5	0.005	10.00	0.155	7.160
	STD DEV (GEOM *)			3	0.161	3.59	22	0.015	0.77	0.17	25.331
	# SAMP IN STATISTICS	11		11	9	11	11	11	11	11	11
	% SAMP (EXCLUDED)										

*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT
SAMPLE				NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR
DATE	HOUR	SAMPLE	STREAM	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.
YMMDD	LMT	NUMBER	COND.	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L
				AS NI	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P
820214	1745	34032	4 6 8		0.020	0.19	0.003<	7.49	1 <T	0.004	0.009
820314	1730	34064	4 6 8		0.042	0.23	0.003<	7.41	1 <T	0.093	0.178
820417	1740	34093	3 6 8	0.200			0.003<	7.10	1.0<T		0.022
820515	1750	34121	6 8	0.093	0.008		0.003<	7.57		0.0030<T	0.010
820612	1535	34153	6 8	0.079	0.004		0.003<	7.40		0.0030	0.019
820717	1610	34185	6 8	0.023	0.032		0.003<	7.44		0.0020<T	0.033
820814	1600	34217	6 8	0.019	0.030		0.002	7.41		0.0040	0.007
820920	1605	34249	6 8	0.280	0.322		0.003<	7.43	-0.4<T	0.0125	0.017
821016	1530	34281	6 8	0.069	0.004<T		0.003	7.55		0.0010<T	0.010
821112	0730	34292	3 6 8	0.057	0.008		0.003<	7.60		0.0030	0.009
821213	0800	34324	4 6 8	0.060	0.006		0.011	7.64		0.0010<T	0.032

B.O.W./ SITE: WANAPITEI RIVER

SAMPLE POINT: AT BRIDGE IN ST. CLOUD

STATION TYPE: RIVER FLOW GAUGE FED 02DB005

STATION ID: 03-0134-001-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02

002

5500

LAT: 46 23 44.03 LONG: 080 48 02.87

U T M: 17 0515315.0 5137800.0 4

REGION: 05

DISTANCE: 72.740

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N	NNTKUR K'DAHL N	PBUT	PH	PHNOL	PP04FR	PPUT	
				NICKEL UNF.TOT.	TOTAL FIL.REAC	TOTAL FIL.TOT.	LEAD UNF.TOT.		PHENOLS UNF-REAC	P04 FIL.REAC	PHOSPHOR UNF.TOT.	
SAMPLE DATE	HR	SAMPLE NUMBER	STREAM COND.	TEMP DEG.C	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS PB	PH	UG/L PHENOL	MG/L AS P	MG/L AS P
YYMMDD	LMT											
MAXIMUM			25.0	0.280	0.322	0.23	0.011	7.64	1	0.093	0.178	
ARITH MEAN			9.2	0.098	0.048<A	0.21	0.005	7.46	1 <A	0.013 <A	0.031	
GEOM MEAN				0.070	0.017<A	0.21		7.46		0.004 <A	0.018	
MINIMUM			0.0	0.019	0.004	0.19	0.002	7.10	-0.4	0.0010	0.007	
STD DEV (GEOM *)				0.086	0.097<A	0.03		0.15		0.028 <A	0.049	
# SAMP IN STATISTICS			10	9	10	2	3	11	4	10	11	
% SAMP (EXCLUDED)							72					

*=INTERIM TEST-NAME:		RSP	TURB	ZNUT ZINC
		RESIDUE PARTIC.	TURB'ITY	UNF.TOT.
SAMPLE DATE	HR	SAMPLE NUMBER	FTU	MG/L AS ZN
YYMMDD	LMT			
820214	1745	34032	2.5	1.04
820314	1730	34064	6.8	3.00
820417	1740	34093	16.600	12.20
820515	1750	34121	2.880	3.10
820612	1535	34153	3.980	3.50
820717	1610	34185	5.080	3.70
820814	1600	34217	2.030	2.10
820920	1605	34249		5.10
821016	1530	34281	8.120	1.05
821112	0730	34292	3.870	2.10
821213	0800	34324	2.060	1.00
MAXIMUM		16.600	12.20	0.022
ARITH MEAN		5.4	3.44	0.009
GEOM MEAN		4.3	2.60	0.008
MINIMUM		2.030	1.00	0.003
STD DEV (GEOM *)		4.4	3.18	0.006
# SAMP IN STATISTICS		10	11	11
% SAMP (EXCLUDED)				



STATION ID: 03-0134-003-02

STORET CODE: 02  
002  
5500

[illegible]

B.O.W./ SITE: EMERY CREEK

STATION ID: 03-0134-003-02

SAMPLE POINT: UPSTREAM FROM WANAPITEI RIVER WAHNAPIITAE

STATION TYPE: RIVER FLOW GAUGE MOE 02DB101

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: FRENCH RIVER WEST CHANNEL

5500

LAT: 46 31 48.01 LONG: 080 44 49.34

U T M: 17 0519400.0 5152750.0 4

REGION: 05

DISTANCE: 95.753

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSF	RSP	SS04UR	ZNUT	
		PO4	PHOSPHOR			SULPHATE	ZINC	
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC	UNF.TOT.	
DATE	HOUR	MG/L	MG/L	FILTERED	PARTIC.	MG/L	MG/L	
YYMMDD	LMT	AS P	AS P	MG/L	MG/L	AS S04	AS ZN	
820214	1400	34025	0.004	0.055	130	5.3	70.0	0.034
820314	1410	34057	0.0010	0.018	133	6.5	61.0	0.019
MAXIMUM		0.004	0.055	133	6.5	70.0	0.034	
ARITH MEAN		0.002	0.036	131	5.9	65.5	0.026	
GEOM MEAN		0.002	0.031	131	5.9	65.3	0.025	
MINIMUM		0.0010	0.018	130	5.3	61.0	0.019	
STD DEV (GEOM *)		0.002	0.026	2	0.8	6.4	0.011	
# SAMP IN STATISTICS		2	2	2	2	2	2	
% SAMP (EXCLUDED)								

B.O.W./ SITE: CONISTON CREEK  
 SAMPLE POINT: HIGHWAY 17 CONISTON  
 STATION TYPE: RIVER

STATION ID: 03-0134-005-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02  
 002  
 5500

LAT: 46 29 39.03 LONG: 080 50 32.39 U T M: 17 0512100.0 5148750.0 4 REGION: 05 DISTANCE: 88.512

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ CODE	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	COND.
				AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	
820214	1615	34030	0101	35	0.058	0.004	1205	0.026	10.00	1.40	4 6 8
820314	1620	34062	0101	28	3.200U	0.010	810	0.140U	6.00	10.75	4 6 8
820417		34091	0101	8.7			149.0	0.080	6.00	1.800	3 6 8
820515	1645	34119	0101	25.1			705.0	0.025	8.00	0.285	6 8
820612	1440	34151	0101	25.3			959.0	0.030	8.00	0.340	6 8
820625	1310	34637	0101	27.1			1050.0	0.031		0.340	
820717	1510	34183	0101	43.5			866.0	0.032	8.00	0.415	6 8
820814	1500	34215	0101						8.00		6 8
820920	1510	34247	0101	26.6			343.0	0.110	8.00	0.925	6 8 9
821016	1415	34279	0101	27.5			499.0	0.030		0.225	
821112	0825	34294	0101	25.5			392.0	0.170	8.00	1.580	3 6 8
821213	0850	34326	0101	31.0			658.0	0.019	8.00	0.225	4 6 8
		MAXIMUM	0.30	43.5	3.200	0.010	1205	0.170	10.00	10.75	
		ARITH MEAN	0.30	28	1.629	0.007	694	0.063	7.80	1.66	
		GEOM MEAN		26	0.431	0.006	605	0.047	7.72	0.72	
		MINIMUM	0.30	8.7	0.058	0.004	149.0	0.019	6.00	0.225	
		STD DEV (GEOM %)		8	2.222	0.004	324	0.054	1.14	3.07	
		# SAMP IN STATISTICS	12	11	2	2	11	11	10	11	
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH	
					NH3-N				K'DAHL N			
SAMPLE DATE	HOUR	SAMPLE	MANGANESE	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD		
YYMMDD	LMT	NUMBER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	PH	
			MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		
			AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB		
820214	1615	34030	0.0	1.830	0.089	0.850	0.285	0.005	0.280	1.35	0.003<	7.15
820314	1620	34062	0.0	0.900	0.560U	0.690	0.935	0.012	0.925	1.75	0.035U	7.08
820417		34091	2.0		0.460		0.525			0.49	0.003<	6.88
820515	1645	34119	15.0		0.570		0.015			0.27	0.010	7.74
820612	1440	34151	19.0		0.390		0.005			0.28	0.006	7.71
820625	1310	34637			0.330		0.005<T			0.24	0.004	7.57
820717	1510	34183	26.0		0.180		0.010<T			0.37	0.005	7.78
820814	1500	34215	19.0									
820920	1510	34247	12.0		0.460		0.650			0.35	0.003<	7.46
821016	1415	34279			0.420		0.060			0.20	0.003	7.69
821112	0825	34294	1.0		0.610		0.685			0.350	0.015	7.64
821213	0850	34326			0.790		0.430			0.210	0.003<	7.90

B.O.W./ SITE: CONISTON CREEK  
 SAMPLE POINT: HIGHWAY 17 CONISTON  
 STATION TYPE: RIVER

STATION ID: 03-0134-005-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02  
 002  
 5500

LAT: 46 29 39.03 LONG: 080 50 32.39 U T M: 17 0512100.0 5148750.0 4 REGION: 05 DISTANCE: 88.512

*=INTERIM	TEST-NAME:	FWTEMP	MNUT	NIUT	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PBUT	PH	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C	MANGANSE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH
		MAXIMUM	26.0	1.830	0.790	0.850	0.935	0.012	0.925	1.75	0.035	7.90
		ARITH MEAN	10.4	1.365	0.442	0.770	0.328<A	0.008	0.602	0.53	0.011	7.51
		GEOM MEAN		1.283	0.386	0.766	0.096<A	0.008	0.509	0.40		7.50
		MINIMUM	0.0	0.900	0.089	0.690	0.005	0.005	0.280	0.20	0.003	6.88
		STD DEV (GEOM *)		0.658	0.197	0.113	0.336<A	0.005	0.456	0.52		0.33
#	SAMP IN STATISTICS	9		2	11	2	11	2	2	11	7	11
	% SAMP (EXCLUDED)										36	

*=INTERIM	TEST-NAME:	PP04FR PO4	PPUT PHOSPHOR	RSF	RSP	SS04UR SULPHATE	TURB	ZNUT ZINC	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	UNF.REAC MG/L AS S04	TURB'ITY FTU	UNF.TOT. MG/L AS ZN
820214	1615	34030	0.001<T	0.020	981	6.7	547.0	0.064	
820314	1620	34062	0.002	0.180	568	268.0	294.0	0.070U	
820417		34091		0.047			42.3	25.00	
820515	1645	34119		0.011			297.0	2.40	
820612	1440	34151		0.009			439.0	2.60	
820625	1310	34637		0.015			28.2	3.10	
820717	1510	34183		0.013			40.9	2.80	
820920	1510	34247		0.025			103.3	16.80	
821016	1415	34279		0.008			186.1	1.19	
821112	0825	34294		0.045			130.10	29.00	
821213	0850	34326		0.016			264.60	1.40	
		MAXIMUM	0.002	0.180	981	268.0	547.0	29.00	
		ARITH MEAN	0.001<A	0.035	774	137.3	215.7	9.37	
		GEOM MEAN	0.001<A	0.022	746	42.4	146.7	4.69	
		MINIMUM	0.001	0.008	568	6.7	28.2	1.19	
		STD DEV (GEOM *)	0.001<A	0.050	292	184.8	170.7	11.14	
#	SAMP IN STATISTICS	2		11	2	2	11	9	
	% SAMP (EXCLUDED)							11	

STATION ID: 03-0134-006-02

STORET CODE: 02  
002  
5500

*INTERIM		TEST-NAME:	FEUT	FWSTRC	FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR
			IRON			MANGANSE	NICKEL	NH3-N				K'DAHL N
SAMPLE			UNF.TOT.		WATER	UNF.TOT.	UNF.TOT.	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL
DATE	HOUR	SAMPLE	MG/L	STREAM	TEMP	MG/L	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.
YYMMDD	LMT	NUMBER	AS FE	COND.	DEG.C	AS MN	AS NI	MG/L	MG/L	MG/L	MG/L	MG/L
								AS N	AS N	AS N	AS N	AS N
820214	1645	34031	1.85	4 6 8	0.0	1.700	1.200	1.380	0.415	0.120	0.295	1.88
820314	1650	34063	2.150	4 6 8	0.0	0.740	0.690U	0.900	0.980	0.0180	0.960	1.23
820417	1700	34092	3.050	3 6 8	2.0		0.780U					0.55
820515	1715	34120	0.535	6 8	15.0		0.720	0.008	0.235			0.45
820612	1505	34152	0.680	6 8	19.0		0.990	0.006	0.350			0.39
820717	1535	34184	0.490	6 8 9	26.0		0.430	0.014	0.740			0.70
820814	1525	34216	0.840	6 8 9	19.0		0.940	0.006	2.150			1.01
820920	1540	34248	2.700	6 8 9	12.0		1.400		0.890			
821016	1445	34280	0.680	6 8 9	3.0		1.000	0.026	0.225			0.25
821112	0800	34293	6.200	3 6 8	1.0		2.000	0.006	0.945			0.500
821213	0825	34325	0.490	4 6 8			1.400	0.004<T	0.830			0.230

B.O.W./ SITE: CONISTON CREEK

SAMPLE POINT: UPSTREAM FROM WANAPITEI RIVER CONISTON

STATION TYPE: RIVER

STATION ID: 03-0134-006-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02

002

5500

LAT: 46 28 29.27 LONG: 080 49 17.56

U T M: 17 0513700.0 5146600.0 4

REGION: 05

DISTANCE: 84.971

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	MNUT	NIUT	NNHTRF NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N
		IRON UNF.TOT. MG/L AS FE		WATER TEMP DEG.C	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.								
		MAXIMUM	6.200	26.0	1.700	2.000	1.380	2.150	0.120	0.960	1.88
		ARITH MEAN	1.79	9.7	1.220	1.050	0.261<A	0.776	0.069	0.627	0.72
		GEOM MEAN	1.23		1.122	0.972	0.024<A	0.620	0.046	0.532	0.58
		MINIMUM	0.490	0.0	0.740	0.430	0.004	0.225	0.0180	0.295	0.230
		STD DEV (GEOM *)	1.74		0.679	0.434	0.513<A	0.566	0.072	0.470	0.52
		# SAMP IN STATISTICS	11	10	2	11	9	10	2	2	10
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PP04FR	PPUT	RSF	RSP	SS04UR	TCMF COLIFORM TOTAL MF CNT /100ML	TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML
		LEAD UNF.TOT. MG/L AS PB		PHENOLS UNF-REAC UG/L PHENOL	P04 FIL.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	SULPHATE UNF.REAC MG/L AS SO4		
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PH								
820214	1645	34031	0.003<	7.13	1	0.010	0.112	935	18.3	510.0	280
820314	1650	34063	0.003U	7.32	1.0	0.0400	0.273	477	46.3	237.0	550
820417	1700	34092	0.003<	7.15	1.0<T		0.068		94.800	43.8	
820515	1715	34120	0.008	7.83		0.0260	0.078		5.530	262.0	
820612	1505	34152	0.003<	7.75		0.0270	0.057		6.970	396.0	
820717	1535	34184	0.017	7.55		0.0830	0.150		4.930	41.3	
820814	1525	34216	0.003	7.51		0.1525	0.295	11.500		326.0	
820920	1540	34248	0.003<	7.20		0.0145	0.107			90.9	
821016	1445	34280	0.004	7.64		0.0055	0.026	9.780		166.4	
821112	0800	34293	0.020	7.50		0.0080	0.150	202.000		111.80	
821213	0825	34325	0.003<	7.86		0.0160	0.061	8.150		242.80	
		MAXIMUM	0.020	7.86	1	0.1525	0.295	935	202.000	510.0	280
		ARITH MEAN	0.009	7.49	1 <A	0.038	0.125	706	40.8	220.7	280
		GEOM MEAN		7.49	1 <A	0.023	0.100	668	17.6	168.1	
		MINIMUM	0.003	7.13	1	0.0055	0.026	477	4.930	41.3	280
		STD DEV (GEOM *)		0.27	0 <A	0.046	0.087	324	63.2	149.4	
		# SAMP IN STATISTICS	6	11	3	10	11	2	10	11	1
		% SAMP (EXCLUDED)	45								1

B.O.W./ SITE: CONISTON CREEK  
SAMPLE POINT: UPSTREAM FROM WANAPITEI RIVER CONISTON  
STATION TYPE: RIVER

STATION ID: 03-0134-006-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02  
002  
5500

LAT: 46 28 29.27 LONG: 080 49 17.56 U T M: 17 0513700.0 5146600.0 4 REGION: 05 DISTANCE: 84.971

*=INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HR	SAMPLE	MG/L
YYMMDD	LMT	NUMBER	AS ZN
		TURB'ITY	
		FTU	
820214	1645	34031	12.50
820314	1650	34063	22.00
820417	1700	34092	46.00
820515	1715	34120	5.40
820612	1505	34152	6.20
820717	1535	34184	3.80
820814	1525	34216	6.70
820920	1540	34248	57.00
821016	1445	34280	4.70
821112	0800	34293	80.00
821213	0825	34325	3.20
MAXIMUM		80.00	0.060
ARITH MEAN		22.50	0.030
GEOM MEAN		11.99	0.026
MINIMUM		3.20	0.006
STD DEV (GEOM *)		26.45	0.016
# SAMP IN STATISTICS		11	11
% SAMP (EXCLUDED)			

B.O.W./ SITE: WANAPITEI RIVER  
 SAMPLE POINT: AT TIMMINS CHUTE  
 STATION TYPE: RIVER

STATION ID: 03-0134-008-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02  
 002  
 5500

LAT: 46 31 18.53 LONG: 080 42 33.37 U T M: 17 0522300.0 5151850.0 4 REGION: 05 DISTANCE: 96.075

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CAUR	CLIDUR	COND25	CUUT	DO	
				ALK	ALUMINUM	ARSENIC	CALCIUM	CHLORIDE	CONDUCT.	COPPER	DISSOLVED	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	UNF.REAC	UNF.REAC	25C	UNF.TOT.	OXYGEN	
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AS CA	AS CL	AT 25 C	AS CU	AS O	
820214	1425	34026	0.30	0101	15	0.001<	8.0	0.60	78	0.006	13.00	
820314	1435	34058	0.30	0101	17	0.001<	9.2	0.50	82	0.005	12.00	
820417	1430	34087	0.30	0101	16.1	0.070		0.60	74.5	0.009	11.00	
820515	1435	34115	0.30	0101	16.0	0.340		1.15	77.7	0.008	13.00	
820612	1245	34147	0.30	0101	17.0	0.190		0.75	76.5	0.005	12.00	
820625	1335	34638	0.30						76.9	0.006		
820717	1325	34179	0.30	0101	18.4	0.160		0.80	81.4	0.004	13.00	
820814	1340	34211	0.30	0101	18.6	0.040		0.55	79.2	0.004	12.00	
820920	1330	34243	0.30	0101	18.6	0.090		1.45	89.2	0.008	13.00	
821016	1235	34275	0.30	0101	17.3	0.054		0.59	81.2	0.004	13.00	
821112	1035	34299	0.30	0101	20.3	0.340		1.31	83.9	0.009	13.00	
821213	1100	34331	0.30	0101	20.3	0.061		0.55	78.5	0.004	13.00	
MAXIMUM		0.30			20.3	0.340		9.2	1.45	89.2	0.009	13.00
ARITH MEAN		0.30			18	0.149		8.6	0.80	80	0.006	12.55
GEOM MEAN					18	0.113		8.6	0.75	80	0.006	12.53
MINIMUM		0.30			15	0.040		8.0	0.50	74.5	0.004	11.00
STD DEV (GEOM *)					2	0.119		0.8	0.34	4	0.002	0.69
# SAMP IN STATISTICS		12			11	9		2	11	12	12	11
% SAMP (EXCLUDED)												

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT
		IRON			HARDNESS	MAGNESIM	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD
SAMPLE		UNF.TOT.		WATER	TOTAL	FIL.REAC	UNF.TOT.	TOTAL	FIL.REAC	FIL.TOT.	UNF.TOT.
DATE	HOUR	MG/L	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS CAC03	AS MG	AS NI	AS N	AS N	AS N	AS PB
820214	1425	34026	0.06	6 8	0.0	28	2.05	0.012	0.006	0.15	0.003
820314	1435	34058	0.06	4 6 8	0.0	31.0	2.00	0.009	0.006	0.18	0.003<
820417	1430	34087	0.100	3 6 8	2.0			0.021	0.014		0.003<
820515	1435	34115	0.545	6 8	15.0			0.022	0.018		0.003<
820612	1245	34147	0.280	6 8	18.0			0.015	0.018		0.003<
820625	1335	34638	0.155					0.012		4.850	0.003<
820717	1325	34179	0.270	6 8	25.0			0.013	0.024	1.15	0.003<
820814	1340	34211	0.130	6 8	18.0			0.011	0.022		0.003
820920	1330	34243	0.165	6 8	11.0			0.029	0.024		0.003<
821016	1235	34275	0.065	6 8	2.0			0.020	0.004<T		0.003<
821112	1035	34299	0.455	3 6 8	1.0			0.034	0.004<T		0.004
821213	1100	34331	0.100	6 8				0.021	0.008		0.007

( C O N T D )





B.O.W./ SITE: ROMFORD CREEK

SAMPLE POINT: UPSTREAM FROM JUNCTION WITH CONISTON CR

STATION TYPE: RIVER

STATION ID: 03-0134-013-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02

002

5500

LAT: 46 29 08.23 LONG: 080 50 13.71

U T M: 17 0512500.0 5147800.0 4

REGION: 05

DISTANCE: 88.672

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP	NIUT
				ALK	CONDUCT.	COPPER	DISOLVED	IRON			NICKEL
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER	UNF.TOT.
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP	MG/L
			CODE	AS CAC03	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C	AS NI
820417	1600	34090	0101	15.0	125.0	0.100	7.00	0.980	3 6 8	3.0	0.480
820515	1610	34118	0101	102.1	625.0	0.039	8.00	0.850	6 8	15.0	0.270
820612	1415	34150	0101	71.5	473.0	0.060	7.00	3.510	6 8 9	20.0	0.200
820717	1445	34182	0101	77.4	454.0	0.026	7.00	0.420	6 8 9	26.0	0.120
820814	1440	34214	0101						1		
820920	1445	34246	0101	6.6	202.0	0.160		1.400			0.790
821016	1350	34278	0101	32.1	274.0	0.067	8.00	0.200	6 8 9	3.0	0.690
821112	0845	34295	0101	14.0	190.0	0.220	7.00	1.600	3 6 8	1.0	0.980
821213	0915	34327	0101	44.9	310.0	0.061	8.00	0.420	4 6 8		0.710
MAXIMUM		0.30		102.1	625.0	0.220	8.00	3.510		26.0	0.980
ARITH MEAN		0.30		45.4	331.6	0.092	7.43	1.172		11.3	0.530
GEOM MEAN				32.1	293.3	0.074	7.41	0.833		6.4	0.430
MINIMUM		0.30		6.6	125.0	0.026	7.00	0.200		1.0	0.120
STD DEV (GEOM *)				34.9	170.9	0.066	0.53	1.064		10.5	0.311
# SAMP IN STATISTICS		9		8	8	8	7	8		6	8
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TURB	ZNUT
			K'DAHL N	LEAD		PHOSPHOR	SULPHATE		ZINC
SAMPLE DATE	HOUR	NO2+NO3N	TOTAL	UNF.TOT.		UNF.TOT.	UNF.REAC		UNF.TOT.
YYMMDD	LMT	FIL.REAC	FIL.TOT.	MG/L		MG/L	MG/L	TURB'ITY	MG/L
		AS N	AS N	AS PB	PH	AS P	AS S04	FTU	AS ZN
820417	1600	34090	0.465	0.85	0.003<	6.95	0.030	24.1	0.040
820515	1610	34118	0.215	0.85	0.009	8.32	0.040	28.3	0.026
820612	1415	34150	0.165	1.18	0.003<	7.88	0.063	17.4	0.016
820717	1445	34182	0.065	0.63	0.003	7.52	0.070	28.6	0.014
820920	1445	34246	0.470	0.55	0.003	6.66	0.110	44.3	0.055
821016	1350	34278	0.100	0.30	0.003<	7.72	0.014	50.4	0.037
821112	0845	34295	0.810	0.375	0.008	7.38	0.075	42.72	0.065
821213	0915	34327	1.550	0.420	0.003<	8.10	0.047	43.11	0.048
MAXIMUM		1.550	1.18	0.009	8.32	0.110	50.4	28.00	0.065
ARITH MEAN		0.480	0.64	0.006	7.57	0.056	34.9	11.64	0.038
GEOM MEAN		0.299	0.59		7.55	0.048	33.0	7.84	0.033
MINIMUM		0.065	0.30	0.003	6.66	0.014	17.4	1.87	0.014
STD DEV (GEOM *)		0.499	0.30		0.56	0.030	11.7	9.68	0.018
# SAMP IN STATISTICS		8	8	4	8	8	8	8	8
% SAMP (EXCLUDED)				50					

B.O.W./ SITE: ROMFORD CREEK  
 SAMPLE POINT: EDWARD STREET BRIDGE, CONISTON  
 STATION TYPE: RIVER

STATION ID: 03-0134-014-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02  
 002  
 5500

LAT: 46 29 03.43 LONG: 080 50 57.82 U T M: 17 0511560.0 5147650.0 4 REGION: 05 DISTANCE: 88.994

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP	NIUT
				ALK	CONDUCT.	COPPER	DISOLVED	IRON			NICKEL
SAMPLE		SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER	UNF.TOT.
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C	AS NI
820417	1535	34089	0101	16.3	127.0	0.100	7.00	0.985	3 6 8	3.0	0.470
820515	1550	34117	0101	102.9	625.0	0.037	8.00	0.905	6 8 9	15.0	0.240
820612	1350	34149	0101	73.1	470.0	0.060	7.00	2.860	6 8 9	20.0	0.200
820717	1420	34181	0101	82.5	470.0	0.030	6.00	0.705	6 8 9	26.0	0.058
820814	1425	34213	0101						1		
820920	1425	34245	0101	7.6	202.0	0.150	7.00	1.450	6 8 9	12.0	0.800
821016	1330	34277	0101	32.7	274.0	0.073	8.00	0.200	6 8 9	3.0	0.720
821112	0910	34296	0101	14.1	189.0	0.230	7.00	1.700	3 6 8	1.0	1.000
821213	0935	34328	0101	44.9	310.0	0.061	8.00	0.425	4 6 8		0.690
MAXIMUM		0.30		102.9	625.0	0.230	8.00	2.860		26.0	1.000
ARITH MEAN		0.30		46.8	333.4	0.093	7.25	1.154		11.4	0.522
GEOM MEAN				33.5	294.7	0.075	7.22	0.885		7.0	0.389
MINIMUM		0.30		7.6	127.0	0.030	6.00	0.200		1.0	0.058
STD DEV (GEOM *)				35.6	172.0	0.067	0.71	0.848		9.6	0.333
# SAMP IN STATISTICS		9		8	8	8	8	8		7	8
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TURB	ZNUT	
			K'DAHL N	LEAD		PHOSPHOR	SULPHATE		ZINC	
		NO2+NO3N	TOTAL	UNF.TOT.		UNF.TOT.	UNF.REAC		UNF.TOT.	
SAMPLE		FIL.REAC	FIL.TOT.	MG/L		MG/L	MG/L	TURB'ITY	MG/L	
DATE	HOUR	AS N	AS N	AS PB	PH	AS P	AS S04	FTU	AS ZN	
YYMMDD	LMT	NUMBER	AS N	AS PB						
820417	1535	34089	0.470	0.87	0.003<	7.30	0.029	24.1	14.50	0.041
820515	1550	34117	0.330	1.00	0.003<	8.13	0.065	24.8	7.60	0.018
820612	1350	34149	0.110	1.00	0.003<	7.92	0.050	15.8	5.90	0.012
820717	1420	34181	0.200	1.25	0.003<	7.68	0.168	58.5	2.80	0.001<
820920	1425	34245	0.470	0.53	0.003<	6.57	0.095	44.0	23.00	0.054
821016	1330	34277	0.100	0.29	0.003<	7.69	0.012	50.6	1.76	0.038
821112	0910	34296	0.820	0.400	0.005	7.30	0.057	42.69	33.00	0.069
821213	0935	34328	1.550	0.400	0.003<	8.09	0.044	43.33	6.10	0.048
MAXIMUM		1.550	1.25	0.005	8.13	0.168	58.5	33.00	0.069	
ARITH MEAN		0.506	0.72	0.005	7.58	0.065	38.0	11.83	0.040	
GEOM MEAN		0.346	0.64		7.57	0.051	35.0	7.88		
MINIMUM		0.100	0.29	0.005	6.57	0.012	15.8	1.76	0.012	
STD DEV (GEOM *)		0.484	0.36		0.52	0.048	14.8	11.01		
# SAMP IN STATISTICS		8	8	1	8	8	8	8	7	
% SAMP (EXCLUDED)				87					12	

B.O.W./ SITE: CONISTON CREEK  
 SAMPLE POINT: AT N.I.R. ROAD  
 STATION TYPE: RIVER

STATION ID: 03-0134-016-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02  
 002  
 5500

LAT: 46 33 48.27 LONG: 080 48 06.06 U T M: 17 0515200.0 5156450.0 4 REGION: 05 DISTANCE: 99.600

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820214	1330	34024	0.30	0101	8	0.074	0.010	1280	0.032	9.00	4 6 8
820314	1345	34056	0.30	0101	5	0.370	0.010	1350	0.039	7.00	4 6 8
820417	1400	34086	0.30	0101	12.4			451.0	0.140	7.00	3 6 8
820515	1400	34114	0.30	0101	9.9			1030.0	0.029		1.100
820612	1220	34146	0.30	0101	10.6			1160.0	0.500U	8.00	2.245
820717	1300	34178	0.30	0101	40.4			1160.0	0.030	8.00	0.670
820814	1310	34210	0.30	0101	63.7			1130.0	0.019	8.00	0.700
820920	1300	34242	0.30	0101	53.7			1390.0	0.046	8.00	0.845
821016	1210	34274	0.30	0101	42.0			1010.0	0.053	9.00	0.960
821112	1005	34298	0.30	0101	35.3			1040.0	0.110	8.00	0.815
821213	1030	34330	0.30	0101	38.6			1078.0	0.032	8.00	0.355
MAXIMUM		0.30			63.7	0.370	0.010	1390.0	0.500	9.00	3.200
ARITH MEAN		0.30			29	0.222	0.010	1098	0.094	8.00	1.44
GEOM MEAN					21	0.165	0.010	1061	0.054	7.97	1.16
MINIMUM		0.30			5	0.074	0.010	451.0	0.019	7.00	0.355
STD DEV (GEOM *)					21	0.209	0.000	250	0.140	0.67	0.98
# SAMP IN STATISTICS		11			11	2	2	11	11	10	11
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH
					NH3-N				K'DAHL N		
			MANGANESE	NICKEL	TOTAL	N02+N03N	N02-N	N03-N	TOTAL	LEAD	
SAMPLE		WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
DATE	HR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH
820214	1330	34024	0.0	0.168	0.880	0.900	0.470	0.390	0.080	0.68	0.003<
820314	1345	34056	0.0	0.154	0.550	1.020	0.130	0.1600		1.55	0.009
820417	1400	34086	3.0		1.100		0.315			1.25	0.003<
820515	1400	34114			0.470		0.140			0.48	0.010
820612	1220	34146	19.0		0.470U		0.145			0.70	0.000<
820717	1300	34178	26.0		0.280		0.100			0.63	0.003<
820814	1310	34210	19.0		0.240		0.095			0.46	0.002
820920	1300	34242	12.0		0.990		0.090			0.45	0.008
821016	1210	34274	3.0		0.970		0.335			0.49	0.003<
821112	1005	34298	1.0		1.100		0.465			0.350	0.016
821213	1030	34330			0.890		0.860			0.210	0.003<

(CONT'D)

B.O.W./ SITE: CONISTON CREEK  
 SAMPLE POINT: AT N.I.R. ROAD  
 STATION TYPE: RIVER

STATION ID: 03-0134-016-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FRENCH RIVER WEST CHANNEL

STORET CODE: 02  
 002  
 5500

LAT: 46 33 48.27 LONG: 080 48 06.06 U T M: 17 0515200.0 5156450.0 4 REGION: 05 DISTANCE: 99.600

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N TOTAL	PBUT	PH	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH
		MAXIMUM	26.0	0.168	1.100	1.020	0.860	0.390	0.080	1.55	0.016	8.11
		ARITH MEAN	9.2	0.161	0.722	0.960	0.286	0.275	0.080	0.66	0.009	7.24
		GEOM MEAN		0.161	0.640	0.958	0.215	0.250		0.57		7.21
		MINIMUM	0.0	0.154	0.240	0.900	0.090	0.1600	0.080	0.210	0.002	5.80
		STD DEV (GEOM *)		0.010	0.325	0.085	0.240	0.163		0.40		0.71
		# SAMP IN STATISTICS	9	2	11	2	11	2	1	11	5	11
		% SAMP (EXCLUDED)									54	

*=INTERIM TEST-NAME:		PPO4FR PO4 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	RSF RESIDUE FILTERED	RSP RESIDUE PARTIC.	SSO4UR SULPHATE UNF.REAC	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	MG/L AS P	MG/L AS P	MG/L	MG/L AS SO4		MG/L AS ZN
820214	1330	34024	0.002	0.065	1071	10.7	612.0	0.022
820314	1345	34056	0.0010	0.105	1120	35.4	676.0	0.009
820417	1400	34086		0.082			182.0	0.042
820515	1400	34114		0.080			509.0	0.014
820612	1220	34146		0.085			570.0	0.045U
820717	1300	34178		0.110			60.8	0.014
820814	1310	34210		0.300			506.0	0.004
820920	1300	34242		0.045			678.3	0.023
821016	1210	34274		0.052			448.4	0.022
821112	1005	34298		0.065			474.00	0.030
821213	1030	34330		0.056			512.80	0.019
		MAXIMUM	0.002	0.300	1120	35.4	678.3	0.045
		ARITH MEAN	0.001	0.095	1095	23.0	475.4	0.022
		GEOM MEAN	0.001	0.082	1095	19.5	406.7	0.018
		MINIMUM	0.0010	0.045	1071	10.7	60.8	0.004
		STD DEV (GEOM *)	0.001	0.071	35	17.5	192.7	0.013
		# SAMP IN STATISTICS	2	11	2	2	11	9
		% SAMP (EXCLUDED)						11

B.O.W./ SITE: GOULAIS RIVER  
 SAMPLE POINT: AT BRIDGE GOULAIS RIVER  
 STATION TYPE: RIVER

STATION ID: 07-0009-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: GOULAIS RIVER

STORET CODE: 02  
 001  
 0090

LAT: 46 43 26.29 LONG: 084 22 56.84

U T M: 16 0700025.0 5177600.0 4

REGION: 05

DISTANCE: 12.231

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	TIME	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	COND.
820109	1545	33707	0101	19		2.65	68	0.001<	12.00	0.19	
820327	1130	33722	0101	26		93.00	400	0.009	12.00	1.260	
820521	1930	33728	0101	13.4	0.370	1.10	48.3	0.002	10.00	0.690	8
820627	1200	33746	0101	22.4	0.140	1.65	69.0	0.005	9.00	0.295	8
820725	1740	33766	0101	30.8	0.320	1.90	82.6	0.005	8.00	0.455	
820826	1230	33784	0101	28.1	0.009	2.30	80.1	0.002	9.00	0.345	8
820928	1420	33802	0101	18.7	0.110	1.30	59.2	0.001<	10.00	0.255	
821027	0830	33812	0101	18.6	0.260	1.25	48.9	0.001	10.00	0.460	
821130	0730	33826	0101	15.3	0.190	1.20	52.9	0.001	9.00	0.270	8
821230	0930	33840	0101						10.00		4

MAXIMUM	0.30		30.8	0.370	93.00	400	0.009	12.00	1.260
ARITH MEAN	0.30		21	0.200	11.82	101	0.004	9.90	0.47
GEOM MEAN			21	0.135	2.50	77		9.83	0.40
MINIMUM	0.30		13.4	0.009	1.10	48.3	0.001	8.00	0.19
STD DEV (GEOM *)			6	0.126	30.45	113		1.29	0.33
# SAMP IN STATISTICS	10		9	7	9	9	7	10	9
% SAMP (EXCLUDED)							22		

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP
				NH3-N	K'DAHL N						
SAMPLE DATE	TIME	SAMPLE	NICKEL	TOTAL	TOTAL	LEAD		PHENOLS	P04	PHOSPHOR	
YYMMDD	LMT	NUMBER	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE
			MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.
			AS NI	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L
820109	1545	33707		0.022	0.21	0.003<	7.38		0.155	0.161	1.2
820327	1130	33722		0.382	0.98	0.015	7.12	2	0.004	0.040	17.2
820521	1930	33728	14.0	0.001<	0.010	0.003<	6.95	0.2<T	0.0030<T	0.038	15.900
820627	1200	33746	18.0	0.001<	0.016	0.003<	7.50	0.4<T	0.0020<T	0.011	2.870
820725	1740	33766	23.0	0.001<	0.026	0.024	7.89	4.8	0.0035	0.003<T	5.300
820826	1230	33784	14.0	0.001<	0.006	0.003<	7.61	1.6	0.0015<T	0.006	3.070
820928	1420	33802	13.0	0.001<	0.010	0.003<	7.33	0.4<T	0.0010<T	0.004	3.080
821027	0830	33812	6.5	0.001<	0.012	0.003<	7.20	1.6	0.0010<T	0.010	10.700
821130	0730	33826	4.0	0.001<	0.046	0.006	7.19	0.8	0.0010<T	0.007	7.070

MAXIMUM	23.0		0.382	0.98	0.024	7.89	4.8	0.155	0.161	17.2
ARITH MEAN	10.3		0.059	0.59	0.015	7.35	1 <A	0.019 <A	0.031<A	7.4
GEOM MEAN			0.022	0.45		7.35	1 <A	0.003 <A	0.013<A	5.3
MINIMUM	0.0		0.006	0.21	0.006	6.95	0.2	0.0010	0.003	1.2
STD DEV (GEOM *)			0.122	0.54		0.28	2 <A	0.051 <A	0.051<A	5.9
# SAMP IN STATISTICS	9		9	2	3	9	8	9	9	9
% SAMP (EXCLUDED)					66					

(CONTD)

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 80

B.O.W./ SITE: GOULAIS RIVER  
 SAMPLE POINT: AT BRIDGE GOULAIS RIVER  
 STATION TYPE: RIVER

STATION ID: 07-0009-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: GOULAIS RIVER

STORET CODE: 02  
 001  
 0090

LAT: 46 43 26.29 LONG: 084 22 56.84 U T M: 16 0700025.0 5177600.0 4 REGION: 05 DISTANCE: 12.231

*INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HR	SAMPLE	TURB'ITY
YYMMDD	LMT	NUMBER	FTU
			MG/L
			AS ZN
820109	1545	33707	1.35
820327	1130	33722	13.60
820521	1930	33728	11.60
820627	1200	33746	3.30
820725	1740	33766	6.40
820826	1230	33784	2.20
820928	1420	33802	1.85
821027	0830	33812	3.20
821130	0730	33826	1.28
MAXIMUM		13.60	0.079
ARITH MEAN		4.98	0.015
GEOM MEAN		3.48	0.008
MINIMUM		1.28	0.003
STD DEV (GEOM *)		4.62	0.024
# SAMP IN STATISTICS		9	9
% SAMP (EXCLUDED)			



B.O.W./ SITE: STOKLEY CREEK

SAMPLE POINT: KARALASH CORNERS, VAN KOUGHNET TOWNSHIP

STATION TYPE: RIVER

STATION ID: 07-0020-001-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE SUPERIOR

TERM STREAM: STOKLEY CREEK

STORET CODE: 02

001

0180

LAT: 46 47 05.96

LONG: 084 21 18.22

U T M: 16 0701890.0 5184450.0 4

REGION: 05

DISTANCE: 6.437

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CAUR	CLIDUR	COND25	CUUT	DO	
				ALK	ALUMINUM	ARSENIC	CALCIUM	CHLORIDE	CONDUCT.	COPPER	DISSOLVED	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	UNF.REAC	UNF.REAC	25C	UNF.TOT.	OXYGEN	
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AS CA	AS CL	AT 25 C	AS CU	AS O	
820109	1600	33708	0.30	0101	13		0.001<	5.0	0.50	49	0.001<	11.00
820327	1145	33723	0.30	0101	15		0.001<	4.8	0.40	48	0.003<	12.00
820526	1345	33738	0.30	0101	10.8	0.050			0.35	41.6	0.001<	10.00
820627	1315	33750	0.30	0101	14.7	0.030			0.55	52.4	0.001	10.00
820725	1720	33764	0.30	0101	18.9	0.063			0.60	61.1	0.004	10.00
820826	1345	33783	0.30	0101	16.9	0.055			0.45	52.0	0.002	10.00
820928	1420	33797	0.30	0101	9.2	0.060			0.25	38.9	0.001<	10.00
821027	0900	33811	0.30	0101	12.0	0.091			0.36	39.0	0.005	12.00
821129	0930	33825	0.30	0101	10.7	0.001			0.31	41.9	0.006	11.00
821230	1730	33839	0.30	0101	10.4	0.078			0.50	40.0	0.001	12.00
MAXIMUM		0.30			18.9	0.091		5.0	0.60	61.1	0.006	12.00
ARITH MEAN		0.30			13	0.053		4.9	0.43	46	0.003	10.80
GEOM MEAN					13	0.035		4.9	0.41	46		10.77
MINIMUM		0.30			9.2	0.001		4.8	0.25	38.9	0.001	10.00
STD DEV (GEOM *)					3	0.028		0.1	0.11	7		0.92
# SAMP IN STATISTICS		10			10	8		2	10	10	6	10
% SAMP (EXCLUDED)											40	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR	NNTKUR	PBUT	PH
		IRON			HARDNESS	MAGNESIM	NICKEL	NH3-N	K'DAHL N	LEAD	
SAMPLE		UNF.TOT.		WATER	TOTAL	FIL.REAC	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.	
DATE	HOUR	MG/L	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH
YYMMDD	LMT	AS FE	COND.	DEG.C	AS CAC03	AS MG	AS NI	AS N	AS N	AS PB	
820109	1600	0.08		0.0	18	1.35	0.001<	0.018	0.20	0.003<	
820327	1145	0.080		0.0	17	1.30	0.001<	0.028	0.25	0.003<	
820526	1345	0.095	8	15.0			0.001<	0.008		0.003<	7.20
820627	1315	0.100	8	15.0			0.001<	0.004<T		0.003<	7.45
820725	1720	0.070	8	18.0			0.003	0.022		0.006	7.77
820826	1345	0.160	8	12.0			0.001<	0.016		0.003<	7.50
820928	1420	0.145		14.5			0.001<	0.016		0.003<	7.05
821027	0900	0.145		5.0			0.001<	0.046		0.003	7.13
821129	0930	0.105	8	4.5			0.001<	0.032		0.003<	7.20
821230	1730	0.130	8				0.001<	0.056		0.003<	6.88
MAXIMUM		0.160		18.0	18	1.35	0.003	0.056	0.25	0.006	7.77
ARITH MEAN		0.11		9.3	17	1.32	0.003	0.025<A	0.22	0.004	7.27
GEOM MEAN		0.11			17	1.32		0.019<A	0.22		7.27
MINIMUM		0.070		0.0	17	1.30	0.003	0.004	0.20	0.003	6.88
STD DEV (GEOM *)		0.03			1	0.04		0.016<A	0.04		0.28
# SAMP IN STATISTICS		10		9	2	2	1	10	2	2	8
% SAMP (EXCLUDED)											



B.O.W./ SITE: STOKLEY CREEK  
 SAMPLE POINT: KARALASH CORNERS, VAN KOUGHNET TOWNSHIP  
 STATION TYPE: RIVER

STATION ID: 07-0020-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: STOKLEY CREEK

STORET CODE: 02  
 001  
 0180

LAT: 46 47 05.96 LONG: 084 21 18.22 U T M: 16 0701890.0 5184450.0 4 REGION: 05 DISTANCE: 6.437

*=INTERIM TEST-NAME:		PHNOL	PP04FR	PPUT	RSP	TURB	ZNUT	
		PHENOLS	P04	PHOSPHOR			ZINC	
SAMPLE		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE		UNF.TOT.	
DATE	HR	UG/L	MG/L	MG/L	PARTIC.	TURB'ITY	MG/L	
YYMMDD	LMT	PHENOL	AS P	AS P	MG/L	FTU	AS ZN	
820109	1600	33708	1 <T	0.150	0.152	0.3	0.71	0.004
820327	1145	33723	1 <T	0.006	0.018	0.1 <W	1.41	0.004
820526	1345	33738	0.4<T	0.0010<T	0.023	0.625<T	0.77	0.003
820627	1315	33750	0.2<T	0.0010<T	0.007	0.150<T	0.31	0.010
820725	1720	33764	0.8	0.0015<T	0.002<T	0.015<T	0.52	0.008
820826	1345	33783	1.0	0.0010<T	0.002<T	0.565<T	0.40	0.003
820928	1420	33797	2.0	0.0010<T	0.004	0.640	0.53	0.004
821027	0900	33811	1.4	0.0010<T	0.006	2.070	0.53	0.012
821129	0930	33825	0.8	0.0010<W	0.003<T	5.010	0.37	0.011
821230	1730	33839	0.6<T	0.0010<W	0.012	3.490	0.82	0.003
MAXIMUM		2.0	0.150	0.152	5.010	1.41	0.012	
ARITH MEAN		1 <A	0.016 <A	0.023<A	1.3 <A	0.64	0.006	
GEOM MEAN		1 <A	0.002 <A	0.008<A	0.5 <A	0.58	0.005	
MINIMUM		0.2	0.0010	0.002	0.015	0.31	0.003	
STD DEV (GEOM *)		1 <A	0.047 <A	0.046<A	1.7 <A	0.32	0.004	
# SAMP IN STATISTICS		10	10	10	10	10	10	
% SAMP (EXCLUDED)								

B.O.W./ SITE: STOKLEY CREEK  
 SAMPLE POINT: AT HIGHWAY 17  
 STATION TYPE: RIVER

STATION ID: 07-0020-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: STOKLEY CREEK

STORET CODE: 02  
 001  
 0180

LAT: 46 48 55.66 LONG: 084 24 30.58 U T M: 16 0697700.0 5187700.0 4 REGION: 05 DISTANCE: 0.161

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIMR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	COND.
820109	1610	33709	0.30	0101	37		4.15	104	0.001<	10.00	0.21
820327	1200	33724	0.30	0101	31		14.50	134	0.004	11.00	0.520
820525	1415	33739	0.30	0101	26.5	0.110	3.15	81.6	0.001<	10.00	0.325 8
820627	1230	33751	0.30	0101	44.0	0.076	5.00	124.0	0.002	10.00	0.375 8
820725	1700	33765	0.30	0101	48.0	0.140	4.55	125.0	0.005	11.00	0.290
820826	1330	33782	0.30	0101	43.1	0.050	5.25	121.0	0.002	10.00	0.370 8
820928	1400	33796	0.30	0101	22.5	0.160	2.46	72.3	0.002	10.00	0.335
821027	0930	33810	0.30	0101	23.9	0.530	2.63	69.2	0.003	9.00	0.725
821129	0900	33824	0.30	0101	22.7	0.300	2.41	73.2	0.005	10.00	0.365 8
821230	1700	33838	0.30	0101	17.9	0.320	2.60	65.4	0.004	10.00	0.710 4
MAXIMUM		0.30			48.0	0.530	14.50	134	0.005	11.00	0.725
ARITH MEAN		0.30			32	0.211	4.67	97	0.003	10.10	0.42
GEOM MEAN					30	0.162	3.95	94		10.09	0.39
MINIMUM		0.30			17.9	0.050	2.41	65.4	0.002	9.00	0.21
STD DEV (GEOM *)					11	0.162	3.62	27		0.57	0.17
# SAMP IN STATISTICS		10			10	8	10	10	8	10	10
% SAMP (EXCLUDED)									20		

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	
			NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR		
SAMPLE		WATER	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	
DATE	HR	TEMP	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.	
YYMMDD	LMT	DEG.C	AS NI	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	
820109	1610	33709	0.0		0.018	0.17	0.003<	7.71	1 <T	0.100	0.114	1.0
820327	1200	33724	0.0		0.032	0.19	0.003<	7.72	1 <T	0.002	0.009	4.0
820525	1415	33739	20.0	0.001<	0.004<T		0.003<	7.19	0.4<T	0.0020<T	0.013	2.690
820627	1230	33751	15.0	0.001<	0.004<T		0.021	7.63	0.2<T	0.0005<W	0.018	3.400
820725	1700	33765	22.0	0.001<	0.058		0.010	7.94	1.6	0.0035	0.010	2.290
820826	1330	33782	11.0	0.001<	0.016		0.003<	7.66	1.2	0.0015<T	0.004	1.340
820928	1400	33796	14.0	0.001<	0.010		0.003<	7.34	1.8	0.01400	0.163	2.950
821027	0930	33810	5.5	0.001<	0.034		0.003<	7.32	1.2	0.0020<T	0.017	8.500
821129	0900	33824	4.0	0.001<	0.002<T		0.003<	7.63	3.4	0.0010<T	0.009	7.360
821230	1700	33838		0.001<	0.022		0.032	7.08	1.0	0.0040	0.032	22.600
MAXIMUM		22.0			0.058	0.19	0.032	7.94	3.4	0.01400	0.163	22.600
ARITH MEAN		10.2			0.020<A	0.18	0.021	7.52	1 <A	0.026 <A	0.039	5.6
GEOM MEAN					0.013<A	0.18		7.52	1 <A	0.004 <A	0.019	3.7
MINIMUM		0.0			0.002	0.17	0.010	7.08	0.2	0.0005	0.004	1.0
STD DEV (GEOM *)					0.017<A	0.01		0.27	1 <A	0.051 <A	0.054	6.4
# SAMP IN STATISTICS		9			10	2	3	10	10	10	10	10
% SAMP (EXCLUDED)							70					

( C O N T D )

B.O.W./ SITE: STOKLEY CREEK  
SAMPLE POINT: AT HIGHWAY 17  
STATION TYPE: RIVER

STATION ID: 07-0020-002-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE SUPERIOR  
TERM STREAM: STOKLEY CREEK

STORET CODE: 02  
001  
0180

LAT: 46 48 55.66 LONG: 084 24 30.58

U T M: 16 0697700.0 5187700.0 4

REGION: 05

DISTANCE: 0.161

*=INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HR	SAMPLE	MG/L
YYMMDD	LMT	NUMBER	AS ZN
		TURB'ITY	
		FTU	
820109	1610	33709	2.50
820327	1200	33724	0.49
820525	1415	33739	5.70
820627	1230	33751	1.83
820725	1700	33765	2.30
820826	1330	33782	1.80
820928	1400	33796	3.00
821027	0930	33810	5.70
821129	0900	33824	6.00
821230	1700	33838	8.50
MAXIMUM		8.50	0.015
ARITH MEAN		3.78	0.007
GEOM MEAN		2.93	
MINIMUM		0.49	0.002
STD DEV (GEOM *)		2.53	
# SAMP IN STATISTICS		10	9
% SAMP (EXCLUDED)			10

B.O.W./ SITE: HARMONY RIVER  
 SAMPLE POINT: HIGHWAY 17 CHIPPEWA FALLS  
 STATION TYPE: RIVER

STATION ID: 07-0028-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: HARMONY RIVER

STORET CODE: 02  
 001  
 0260

LAT: 46 55 47.73 LONG: 084 25 33.47 U T M: 16 0695950.0 5200375.0 4 REGION: 05 DISTANCE: 0.805

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	SAMPLE	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	DEPTH	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
			M	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	COND.
820109	1630	33710	0.30	17		0.65	58	0.001<	11.00	0.11	
820327	1230	33725	0.30	19		0.65	58	0.010	13.00	0.150	
820526	1245	33737	0.30	16.1	0.094	0.55	50.8	0.001<	10.00	0.155	8
820725	1645	33769	0.30	27.2	0.095	0.80	70.9	0.004	9.00	0.180	8
820928	1345	33801	0.30	16.4	0.023	0.39	52.3	0.002	10.00	0.115	
821130	0745	33830	0.30	16.4	0.130	0.50	51.3	0.002	11.00	0.145	8
MAXIMUM		0.30		27.2	0.130	0.80	70.9	0.010	13.00	0.180	
ARITH MEAN		0.30		19	0.085	0.59	57	0.004	10.67	0.14	
GEOM MEAN				18	0.072	0.58	56		10.60	0.14	
MINIMUM		0.30		16.1	0.023	0.39	50.8	0.002	9.00	0.11	
STD DEV (GEOM *)				4	0.045	0.14	8		1.37	0.03	
# SAMP IN STATISTICS		6		6	4	6	6	4	6	6	
% SAMP (EXCLUDED)								33			

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	
			NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR		
SAMPLE DATE	HOUR	SAMPLE	WATER	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	
YYMMDD	LMT	NUMBER	TEMP	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.	
			DEG.C	AS NI	AS N	AS N	AS PB	PHENOL	AS P	AS P	MG/L	
820109	1630	33710	0.0		0.014	0.20	0.003<	7.55	1 <T	0.006	0.006	0.3
820327	1230	33725	0.0		0.034	0.39	0.003<	7.43	1 <T	0.001	0.016	1.0
820526	1245	33737	16.0	0.001<	0.010		0.003<	7.42	0.4<T	0.0005<T	0.010	1.990
820725	1645	33769	23.0	0.001<	0.030		0.003<	7.86	4.4	0.0025<T	0.017	0.895<T
820928	1345	33801	15.0	0.005	0.020		0.003<	7.22	0.4<T	0.0010<T	0.007	2.260
821130	0745	33830	3.0	0.001<	0.028		0.003<	7.31	3.0	0.0010<T	0.004	6.670
MAXIMUM		23.0		0.005	0.034	0.39		7.86	4.4	0.006	0.017	6.670
ARITH MEAN		9.5		0.005	0.023	0.29		7.46	2 <A	0.002 <A	0.010	2.2 <A
GEOM MEAN					0.021	0.28		7.46	1 <A	0.001 <A	0.009	1.4 <A
MINIMUM		0.0		0.005	0.010	0.20		7.22	0.4	0.0005	0.004	0.3
STD DEV (GEOM *)					0.010	0.13		0.22	2 <A	0.002 <A	0.005	2.3 <A
# SAMP IN STATISTICS		6	1	6	2	6	6	6	6	6	6	
% SAMP (EXCLUDED)			75									

B.O.W./ SITE: HARMONY RIVER  
SAMPLE POINT: HIGHWAY 17 CHIPPEWA FALLS  
STATION TYPE: RIVER

STATION ID: 07-0028-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE SUPERIOR  
TERM STREAM: HARMONY RIVER

STORET CODE: 02  
001  
0260

LAT: 46 55 47.73 LONG: 084 25 33.47 L T M: 16 0695970.0 5200375.0 4 REGION: 05 DISTANCE: 0.805

*=INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HOUR	SAMPLE	TURB'ITY
YYMMDD	LMT	NUMBER	FTU
			MG/L
			AS ZN
820109	1630	33710	0.80
820327	1230	33725	1.23
820526	1245	33737	2.30
820725	1645	33769	1.71
820928	1345	33801	0.94
821130	0745	33830	0.86
MAXIMUM		2.30	0.008
ARITH MEAN		1.31	0.006
GEOM MEAN		1.21	
MINIMUM		0.80	0.004
STD DEV (GEOM *)		0.59	
# SAMP IN STATISTICS		6	4
% SAMP (EXCLUDED)			33

B.O.W./ SITE: BATCHAWANA RIVER

SAMPLE POINT: AT HIGHWAY 17

STATION TYPE: RIVER FLOW GAUGE FED 02BF001

STATION ID: 07-0031-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE SUPERIOR  
 TERM STREAM: BATCHAWANA RIVER

STORET CODE: 02  
 001  
 0280

LAT: 46 55 59.90 LONG: 084 31 41.79 U T M: 16 0688150.0 5200500.0 4 REGION: 05 DISTANCE: 0.322

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWFLOW
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISSOLVED	IRON	STREAM
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	TOTAL MG/L	UNF.TOT. MG/L	UNF.REAC MG/L	25C UMHO/CM	UNF.TOT. MG/L	OXYGEN MG/L	UNF.TOT. MG/L	FLOW M3
				AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	/S
820109		33711	0.30	20		0.90	67	0.017	12.00	0.13	5.650
820327	1245	33726	0.30	19		0.80	61	0.003<	11.00	0.120	6.900
820525	1330	33736	0.30	13.9	0.086	0.40	46.4	0.001	10.00	0.120	20.500
820725	1630	33770	0.30	23.4	0.120	0.65	64.0	0.007	8.00	0.165	5.160
820928	1315	33800	0.30	15.6	0.089	0.56	51.7	0.001<	9.00	0.950	15.800
821130	0800	33829	0.30	14.6	0.200	0.73	49.8	0.003	10.00	0.145	20.200
MAXIMUM		0.30		23.4	0.200	0.90	67	0.017	12.00	0.950	20.500
ARITH MEAN		0.30		18	0.124	0.67	57	0.007	10.00	0.27	12.368
GEOM MEAN				17	0.116	0.65	56		9.92	0.19	10.469
MINIMUM		0.30		13.9	0.086	0.40	46.4	0.001	8.00	0.120	5.160
STD DEV (GEOM *)				4	0.053	0.18	8		1.41	0.33	7.297
# SAMP IN STATISTICS		6		6	4	6	6	4	6	6	6
% SAMP (EXCLUDED)								33			

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT
				NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	STREAM COND.	UNF.TOT. MG/L	FIL.REAC MG/L	FIL.TOT. MG/L	UNF.TOT. MG/L	PH	UNF-REAC UG/L	FIL.REAC MG/L	UNF.TOT. MG/L
				AS NI	AS N	AS N	AS PB		PHENOL	AS P	AS P
820109		33711		0.0	0.036	0.24	0.004	7.49	1 <T	0.078	0.084
820327	1245	33726		0.0	0.058	0.28	0.006	7.39	1 <T	0.001 <	0.010
820525	1330	33736	8	14.0	0.001<	0.028	0.003<	6.78	0.2<W	0.0040	0.016
820725	1630	33770		24.0	0.003<	0.038	0.004	7.46	0.8	0.0005<T	0.011
820928	1315	33800		16.0	0.001<	0.010	0.003<	7.08	0.8	0.0705	0.097
821130	0800	33829	8	3.0	0.001	0.010	0.003<	6.99	1.0	0.0010<W	0.010
MAXIMUM				24.0	0.001	0.058	0.006	7.49	1	0.078	0.097
ARITH MEAN				9.5	0.001	0.030	0.005	7.20	1 <A	0.031 <A	0.038
GEOM MEAN						0.025		7.19	1 <A		0.023
MINIMUM				0.0	0.001	0.010	0.004	6.78	0.2	0.0005	0.010
STD DEV (GEOM *)						0.018		0.29	0 <A		0.041
# SAMP IN STATISTICS				6	1	6	3	6	6	5	6
% SAMP (EXCLUDED)					75		50			16	

(CONT'D)

B.O.W./ SITE: BATCHAWANA RIVER

STATION ID: 07-0031-001-02

SAMPLE POINT: AT HIGHWAY 17

STATION TYPE: RIVER FLOW GAUGE FED 02BF001

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE SUPERIOR

001

TERM STREAM: BATCHAWANA RIVER

0280

LAT: 46 55 59.90 LONG: 084 31 41.79

U T M: 16 0688150.0 5200500.0 4 REGION: 05

DISTANCE: 0.322

*=INTERIM TEST-NAME:		RSP	TURB	ZNUT
				ZINC
SAMPLE		RESIDUE		UNF.TOT.
DATE	HOUR	PARTIC.	TURB'ITY	MG/L
YYMMDD	LMT	MG/L	FTU	AS ZN
820109		33711	0.8	1.60
820327	1245	33726	1.0	0.85
820525	1330	33736	1.430	1.70
820725	1630	33770	0.445<T	1.13
820928	1315	33800	7.940	2.40
821130	0800	33829	1.950	0.64
MAXIMUM		7.940	2.40	0.019
ARITH MEAN		2.3 <A	1.39	0.008
GEOM MEAN		1.4 <A	1.26	0.006
MINIMUM		0.445	0.64	0.001
STD DEV (GEOM *)		2.8 <A	0.65	0.006
# SAMP IN STATISTICS		6	6	6
% SAMP (EXCLUDED)				

B.O.W./ SITE: ST.MARYS RIVER  
 SAMPLE POINT: AT HURON STREET DAM (CENTRE)  
 STATION TYPE: RIVER FLOW GAUGE FED 02CA001

STATION ID: 13-0000-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON

STORET CODE: 02  
 002

LAT: 46 30 53.47 LONG: 084 20 56.55 L T M: 16 070336.0 5154450.0 4 REGION: 05

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CCNAUR CYANIDE AVAIL	COND25 CONDUCT. 25C	CUUT COPPER UNF.TOT.	DO DISOLVED OXYGEN	FEUT IRON UNF.TOT.	FWFLOW STREAM FLOW	FWSTRC STREAM COND.
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	UNF.REAC MG/L AS HCN	UMHO/CM AT 25 C	MG/L AS CU	MG/L AS O	MG/L AS FE	M3 /S
821127	1410	33819	0.30	0101	43.0	0.002<T	100.0	0.003	10.00	0.335	2840.00
821228	1230	33834	0.30	0101	43.4	0.001<W	96.9	0.002	11.00	0.030<T	2800.00
MAXIMUM		0.30			43.4	0.002	100.0	0.003	11.00	0.335	2840.00
ARITH MEAN		0.30			43.2	0.001<A	98.4	0.002	10.50	0.182<A	2820.00
GEOM MEAN					43.2	0.001<A	98.4	0.002	10.49	0.100<A	2819.93
MINIMUM		0.30			43.0	0.001	96.9	0.002	10.00	0.030	2800.00
STD DEV (GEOM *)					0.3	0.001<A	2.2	0.001	0.71	0.216<A	28.284
# SAMP IN STATISTICS		2			2	2	2	2	2	2	2
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NNOTFR	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.	PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	RSP RESIDUE PARTIC.	SOLEXT SOLVENT EXTRACT.	TURB TURB'ITY FTU
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C	NO2+NO3N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	AS PB	UG/L PHENOL	MG/L AS P	MG/L	MG/L	
821127	1410	33819	4.0	0.295	0.150	0.004	7.71	1.6	0.023	14.600	4.40
821228	1230	33834	1.5	0.295	0.140	0.012	8.01	0.6<T	0.005	2.500	0.87
MAXIMUM		4.0	0.295	0.150	0.012	8.01	1.6	0.023	14.600	0	4.40
ARITH MEAN		2.7	0.295	0.145	0.008	7.86	1.1<A	0.014	8.550	0	2.63
GEOM MEAN		2.4	0.295	0.145	0.007	7.86	1.0<A	0.011	6.042		1.96
MINIMUM		1.5	0.295	0.140	0.004	7.71	0.6	0.005	2.500	0	0.87
STD DEV (GEOM *)		1.8	0.000	0.007	0.006	0.21	0.7<A	0.013	8.556		2.50
# SAMP IN STATISTICS		2	2	2	2	2	2	2	2	1	2
% SAMP (EXCLUDED)											



B.O.W./ SITE: ST.MARYS RIVER

STATION ID: 13-0000-003-02

SAMPLE POINT: AT HURON STREET DAM (CENTRE)

STATION TYPE: RIVER FLOW GAUGE FED 02CA001

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

LAT: 46 30 53.47 LONG: 084 20 56.55

U T M: 16 0703360.0 5154450.0 4

REGION: 05

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
SAMPLE UNF.TOT.  
DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN

821127	1410	33819	0.019
821228	1230	33834	0.006

MAXIMUM	0.019
ARITH MEAN	0.012
GEOM MEAN	0.011
MINIMUM	0.006
STD DEV (GEOM *)	0.009
# SAMP IN STATISTICS	2
% SAMP (EXCLUDED)	

B.O.W./ SITE: ST.MARYS RIVER  
 SAMPLE POINT: AT BELL'S POINT DOCK  
 STATION TYPE: RIVER

STATION ID: 13-0000-005-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON

STORET CODE: 02  
 002

LAT: 46 32 15.15 LONG: 084 12 54.15 U T M: 16 0713550.0 5157325.0 4 REGION: 05

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CCNAUR CYANIDE	CLIDUR	COD	COND25	CUUT	DO	
SAMPLE DATE	HR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	AVAIL UNF.REAC MG/L AS HCN	CHLORIDE UNF.REAC MG/L AS CL	CHEM. OX DEMAND MG/L AS O	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O
820108	1330	33700	0.30	0101	43		0.005<T	2.65	2<T	107	0.002	13.00
820319	1255	33714	0.30	0101	34		0.010	975.00		3275	0.038	11.00
820527	1630	33743	0.30	0101	42.9	0.038		1.90		97.9	0.006	13.00
820616	1215	33755	0.30	0101	38.1		0.005<T	1.70		93.1	0.004	11.00
820725	1215	33757	0.30	0101	44.2		0.005<T	1.70		102.0		10.00
820825	1113	33775	0.30	0101	43.7		0.005<T	1.60		99.7	0.002	12.00
820927	1850	33787	0.30	0101	43.0		0.001<W	1.65		99.9	0.002	9.00
821027	1300	33803	0.30	0101	44.4		0.001<W	1.98		625.0	0.007	10.00
821127	1300	33815	0.30	0101	44.6		0.001<T	2.48		101.0	0.006	10.00
821228	1100	33831	0.30	0101	43.5		0.004	1.86		102.0	0.005	9.00
MAXIMUM		0.30			44.6	0.038	0.010	975.00	2	3275	0.038	13.00
ARITH MEAN		0.30			42	0.038	0.004<A	99.25	2<A	470	0.008	10.80
GEOM MEAN					42		0.003<A	3.58		171	0.005	10.71
MINIMUM		0.30			34	0.038	0.001	1.60	2	93.1	0.002	9.00
STD DEV (GEOM *)					3		0.003<A	307.71		999	0.011	1.48
# SAMP IN STATISTICS		10			10	1	9	10	1	10	9	10
% SAMP (EXCLUDED)												

*INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N TOTAL	PBUT
SAMPLE DATE	HR	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB
820108	1330	33700		0.0		0.270	0.305	0.008	0.295	0.48	0.003<
820319	1255	33714		1.0		0.680	0.530	0.061	0.470	1.83	0.006
820527	1630	33743		9.0	0.001<	0.104	0.260			0.28	0.003<
820616	1215	33755	8	22.0		0.006	0.390			0.70	0.003<
820725	1215	33757	8 5	23.0		0.146	0.125			1.32	
820825	1113	33775	8	15.0		0.006	0.425			0.33	0.003<
820927	1850	33787		14.5		0.002<W	0.365			0.14	0.003<
821027	1300	33803	8	11.0		0.010	0.505			1.320	0.013
821127	1300	33815		3.0		0.002<T	0.350			0.120	0.003<
821228	1100	33831	8	0.5		0.008	0.480			0.150	0.003
MAXIMUM		3.650		23.0		0.680	0.530	0.061	0.470	1.83	0.013
ARITH MEAN		1.05		9.9		0.123<A	0.373	0.034	0.382	0.67	0.007
GEOM MEAN		0.45				0.022<A	0.349	0.022	0.372	0.44	
MINIMUM		0.080		0.0		0.002	0.125	0.008	0.295	0.120	0.003
STD DEV (GEOM *)		1.29				0.215<A	0.123	0.037	0.124	0.61	
# SAMP IN STATISTICS		10		10		10	10	2	2	10	3
% SAMP (EXCLUDED)											

STATION ID: 13-0000-005-02

STORET CODE: 02  
002

[illegible]

B.O.W./ SITE: ST.MARYS RIVER

SAMPLE POINT: AT PRIVATE DOCK E.OF S.S.MARIE GOLF CLUB

STATION TYPE: RIVER

STATION ID: 13-0000-006-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

STORET CODE: 02

002

LAT: 46 29 48.47 LONG: 084 16 12.83

U T M: 16 0709475.0 5152650.0 4

REGION: 05

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CCNAUR CYANIDE AVAIL	COD	COND25	CUUT	DO	FEUT	FWSTRC
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	CHEM. OX DEMAND MG/L AS O	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM COND.
820108	1400	33701	0.30	0101	47	0.005<T	2<T	116		0.24	
820319	1315	33715	0.30	0101	47	0.005		137	0.003	0.150	
820527	1845	33742	0.30	0101	43.3	0.005<T		99.7	0.005	0.160	8
820616	1230	33754	0.30	0101	41.9	0.012		100.0	0.004	0.125	8
820725	1300	33758	0.30	0101	44.0	0.005<T		99.5	0.007	0.360	8
820825	1145	33776	0.30	0101	43.8	0.005<T		101.0	0.002	0.130	8
820927	1815	33788	0.30	0101	43.5	0.001<W		103.0	0.009	0.115	
821027	1330	33804	0.30	0101	43.9	0.003<T		102.0	0.005	2.400	8
821127	1330	33816	0.30	0101	43.7	0.009		104.0	0.005	0.215	
821228	1115	33832	0.30	0101	43.8	0.005		107.0	0.003	0.090	
MAXIMUM		0.30			47	0.012	2	137	0.009	2.400	
ARITH MEAN		0.30			44	0.005<A	2<A	107	0.005	0.40	
GEOM MEAN					44	0.005<A		106	0.004	0.21	
MINIMUM		0.30			41.9	0.001	2	99.5	0.002	0.090	
STD DEV (GEOM *)					2	0.003<A		12	0.002	0.71	
# SAMP IN STATISTICS		10			10	10	1	10	9	10	10
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PPUT	RSF	RSP
SAMPLE DATE	HOUR	WATER TEMP DEG.C	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL	PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L
820108	1400	33701	0.0	0.276	0.55		7.61	12	0.125	75	6.0
820319	1315	33715	1.0		0.63	0.003<	7.17	7	0.018		2.9
820527	1845	33742	12.0		0.340	0.003<	7.94	3.2	0.036		2.020
820616	1230	33754	11.0		0.565	0.003<	7.56	5.4	0.010		1.240
820725	1300	33758	18.0		0.260	0.004	7.82	1.2	0.019		7.800
820825	1145	33776	15.0		0.275	0.003<	7.90	2.4	0.003<T		4.460
820927	1815	33788	14.5		0.380	0.003<	7.81	2.6	0.132		1.560
821027	1330	33804	10.0		0.365	0.005	7.59	1.6	0.031		35.100
821127	1330	33816	4.0		0.360	0.006	7.69	2.2	0.019		3.600
821228	1115	33832	0.5		0.465	0.003<	7.73	4.8	0.006		1.070
MAXIMUM		18.0	0.276	0.565	0.63	0.006	7.94	12	0.132	75	35.100
ARITH MEAN		8.6	0.276	0.369	0.26	0.005	7.68	4	0.040<A	75	6.6
GEOM MEAN				0.360	0.22		7.68	3	0.022<A		3.6
MINIMUM		0.0	0.276	0.260	0.11	0.004	7.17	1.2	0.003	75	1.070
STD DEV (GEOM *)				0.095	0.18		0.22	3	0.048<A		10.3
# SAMP IN STATISTICS		10	1	9	10	3	10	10	10	1	10
% SAMP (EXCLUDED)											

B.O.W./ SITE: ST.MARYS RIVER

STATION ID: 13-0000-006-02

SAMPLE POINT: AT PRIVATE DOCK E.OF S.S.MARIE GOLF CLUB

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

LAT: 46 29 48.47 LONG: 084 16 12.83 U T M: 16 0709475.0 5152650.0 4 REGION: 05

*=INTERIM TEST-NAME:		SOLEXT	SSO4UR SULPHATE UNF.REAC	TURB	ZNUT ZINC UNF.TOT.
SAMPLE DATE	HOURLMT	SAMPLE EXTRACT. MG/L	MG/L AS S04	TURB'ITY FTU	MG/L AS ZN
820108	1400	33701	6.0		
820319	1315	33715		1.68	0.015
820527	1845	33742		2.70	0.006
820616	1230	33754	0	0.78	0.004
820725	1300	33758	2	1.94	0.010
820825	1145	33776	2	0.91	0.006
820927	1815	33788		1.17	0.006
821027	1330	33804		18.60	0.026
821127	1330	33816		0.63	0.010
821228	1115	33832	0	1.05	0.022
MAXIMUM		2	6.0	18.60	0.026
ARITH MEAN		1	6.0	3.27	0.012
GEOM MEAN				1.65	0.010
MINIMUM		0	6.0	0.63	0.004
STD DEV (GEOM *)				5.78	0.008
# SAMP IN STATISTICS		4	1	9	9
% SAMP (EXCLUDED)					

B.O.W./ SITE: ST.MARYS RIVER  
 SAMPLE POINT: AT SAULT STE MARIE CIVIC CENTRE  
 STATION TYPE: RIVER

MAJOR BASIN: GREATER LAKES  
 MINOR BASIN: LAKE HURON

STATION ID: 13-0000-007-02

STORET CODE: 02  
 002

LAT: 46 30 27.12 LONG: 084 20 03.17 U T M: 16 0704525.0 5153675.0 4 REGION: 05

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	CCNAUR CYANIDE	COD	COND25	CUUT	DO	FEUT	FWSTRC
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	UNF.REAC MG/L AS HCN	CHEM. OX DEMAND MG/L AS O	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM COND.
820108 1415	33702	0.30	0101	45	0.005<T	2	105		12.00	0.13	
820319 1340	33716	0.30	0101	45	0.005<T		106	0.004	12.00	0.050	
820526 1800	33740	0.30	0101	43.0	0.005<T		100.0	0.002	13.00	0.165	8
820616 1300	33752	0.30	0101	41.9	0.014		100.0	0.002	13.00	0.170	8
820725 1330	33759	0.30	0101	43.5	0.005<T		98.2	0.010	11.00	0.135	
820825 1200	33777	0.30	0101	43.6	0.007		101.0	0.002	11.00	0.180	8
820927 1800	33789	0.30	0101	42.9	0.001<W		99.8	0.001	10.00	0.165	
821027 1530	33805	0.30	0101	0.1<T	0.001<T		332.0	0.003	10.00	0.435	8
821127 1340	33817	0.30	0101	37.4	0.020		103.0	0.006	10.00	0.555	8
821228 1200	33833	0.30	0101	42.8	0.002		101.0	0.003	11.00	0.045	8
MAXIMUM	0.30			45	0.020	2	332.0	0.010	13.00	0.555	
ARITH MEAN	0.30			39 <A	0.006<A	2	125	0.004	11.30	0.20	
GEOM MEAN				23 <A	0.004<A		114	0.003	11.25	0.15	
MINIMUM	0.30			0.1	0.001	2	98.2	0.001	10.00	0.045	
STD DEV (GEOM *)				14 <A	0.006<A		73	0.003	1.16	0.16	
# SAMP IN STATISTICS	10			10	10	1	10	9	10	10	
% SAMP (EXCLUDED)											

*=INTERIM	TEST-NAME:	FWTEMP	NNHTFR NH3-N	NNOTFR	NNTKUR K'DAHL N	PBUT	PH	PHNOL	PPUT	RSF	RSP
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	WATER TEMP DEG.C	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB		PHENOLS UNF-REAC UG/L PHENOL	PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L
820108 1415	33702	0.0	0.138		0.28		7.90	6	0.148	68	1.0
820319 1340	33716	1.0		0.310	0.29	0.003<	7.38	3	0.122		0.1 <W
820526 1800	33740	9.0		0.320	0.17	0.004	7.81	4.4	0.162		1.610
820616 1300	33752	9.0		0.595	0.13	0.003<	7.60	5.6	0.009		1.940
820725 1330	33759	18.0		0.260	0.30	0.003<	7.97	3.0	0.026		1.810
820825 1200	33777	14.0		0.390	0.15	0.003<	7.81	4.0	0.004		3.420
820927 1800	33789	14.0		0.350	0.11	0.004	7.87	2.2	0.006		0.300<T
821027 1530	33805	10.0		0.265	2.000	0.014	3.28	6.6	0.016		9.090
821127 1340	33817	4.0		0.245	0.710	0.007	7.62	8.2	0.016		11.400
821228 1200	33833	1.0		0.330	0.340	0.003<	8.05	7.4	0.004		0.800<T
MAXIMUM	18.0	0.138	0.595	2.000	0.014	8.05	8.2	0.162	68	11.400	
ARITH MEAN	8.0	0.138	0.341	0.45	0.007	7.33	5	0.051	68	3.1 <A	
GEOM MEAN			0.329	0.29		7.13	5	0.021		1.5 <A	
MINIMUM	0.0	0.138	0.245	0.11	0.004	3.28	2.2	0.004	68	0.1	
STD DEV (GEOM *)			0.106	0.57		1.44	2	0.065		3.9 <A	
# SAMP IN STATISTICS	10	1	9	10	4	10	10	10	10	1	10
% SAMP (EXCLUDED)											

B.O.W./ SITE: ST.MARYS RIVER  
SAMPLE POINT: AT SAULT STE MARIE CIVIC CENTRE  
STATION TYPE: RIVER

STATION ID: 13-0000-007-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON

STORET CODE: 02  
002

LAT: 46 30 27.12 LONG: 084 20 03.17 U T M: 16 0704525.0 5153675.0 4 REGION: 05

*=INTERIM TEST-NAME:		SOLEXT	SS04UR	TURB	ZNUT
		SOLVENT	SULPHATE		ZINC
SAMPLE		UNF.REAC			UNF.TOT.
DATE	HR	MG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS S04	FTU	AS ZN	
820108	1415	33702	5.5		
820319	1340	33716		1.41	0.024
820526	1800	33740		2.10	0.014
820616	1300	33752	1	1.24	0.012
820725	1330	33759	2	0.77	0.001<
820825	1200	33777	2	0.87	0.010
820927	1800	33789		1.71	0.008
821027	1530	33805		4.30	0.014
821127	1340	33817		2.40	0.010
821228	1200	33833	1	1.04	0.003
MAXIMUM		2	5.5	4.30	0.024
ARITH MEAN		1	5.5	1.76	0.012
GEOM MEAN		1		1.53	
MINIMUM		1	5.5	0.77	0.003
STD DEV (GEOM *)		1		1.10	
# SAMP IN STATISTICS		4	1	9	8
% SAMP (EXCLUDED)					11

B.O.W./ SITE: ST MARYS RIVER

STATION ID: 13-0000-008-02

SAMPLE POINT: AT HWY.NO.2 SAULT STE.MARIE MICHIGAN USA

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

LAT: 46 29 45.51 LONG: 084 23 21.07

U T M: 16 0700350.0 5152250.0 4

REGION: 05

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CAUR	CCNAUR CYANIDE AVAIL	CLIDUR	COD	COND25
SAMPLE DATE	HR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL MG/L	ALUMINUM UNF.TOT. MG/L	ARSENIC UNF.TOT. MG/L	CALCIUM UNF.REAC MG/L	UNF.REAC MG/L	CHLORIDE UNF.REAC MG/L	CHEM. OX DEMAND MG/L	CONDUCT. 25C UMHO/CM
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AS AS	AS CA	AS HCN	AS CL	AS O	AT 25 C
820108	1500	33704	0101	44		0.001<	13.2	0.005<T	1.40	13	99
820319	1530	33718	0101	44		0.001<	13.0	0.005<T	1.35		102
820526	1715	33741	0101	43.6	0.027			0.005<T	1.30		97.4
820616	1345	33753	0101	43.4	0.019			0.005<T	1.35		96.7
820705	1900	33762	0101	43.9	0.045			0.005<T	1.25		97.0
820825	1430	33779	0101	44.0	0.028			0.005<T	1.18		96.4
820930	1130	33791	0101	43.5	0.017			0.001<W	1.28		98.1
821027	1030	33808	0101	45.0	0.180				6.53		145.0
	1230	33807	0101	41.3	0.041				1.21		91.6
821127	1430	33820	0101	42.8	0.056			0.001<W	2.85		102.0
821228	1400	33835	0101	43.7	0.029			0.001<W	1.24		96.6
		MAXIMUM	0.30	45.0	0.180		13.2	0.005	6.53	13	145.0
		ARITH MEAN	0.30	44	0.049		13.1	0.004<A	1.90	13	102
		GEOM MEAN		44	0.037		13.1	0.003<A	1.60		101
		MINIMUM	0.30	41.3	0.017		13.0	0.001	1.18	13	91.6
		STD DEV (GEOM *)		1	0.051		0.1	0.002<A	1.61		15
		# SAMP IN STATISTICS	11	11	9		2	9	11	1	11
		% SAMP (EXCLUDED)									

*INTERIM TEST-NAME:		CUUT	DO	FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR NH3-N	NNOTFR
SAMPLE DATE	HR	COPPER UNF.TOT. MG/L	DISOLVED OXYGEN MG/L	IRON UNF.TOT. MG/L		WATER TEMP DEG.C	HARDNESS TOTAL MG/L	MAGNESIM FIL.REAC MG/L	NICKEL UNF.TOT. MG/L	TOTAL FIL.REAC MG/L	NO2+NO3N FIL.REAC MG/L
YYMMDD	LMT	AS CU	AS O	AS FE	STREAM COND.		AS CAC03	AS MG	AS NI	AS N	AS N
820108	1500	33704	0.170	11.00	0.04	0.0	44	2.70	0.001<	0.006	
820319	1530	33718	0.003<	12.00	0.040	1.0	44	2.70	0.001<	0.006	0.305
820526	1715	33741	0.001	13.00	0.065	8	10.5		0.001<	0.006	0.300
820616	1345	33753	0.008	13.00	0.030<T	8	8.0		0.001<	0.018	0.365
820705	1900	33762	0.007	9.00	0.055	8	16.5		0.001<	0.018	0.245
820825	1430	33779	0.002	10.00	0.035<T	8	16.0		0.001<	0.012	0.250
820930	1130	33791	0.001	11.00	0.040<T		20.0		0.001<	0.006	0.270
821027	1030	33808	0.008	10.00	0.515	8	9.0		0.001<		0.435
	1230	33807	0.004	11.00	0.060	8	9.5		0.001<	0.014	0.265
821127	1430	33820	0.004	10.00	0.065	8	4.0		0.001<	0.006	0.295
821228	1400	33835	0.002	8.00	0.055	8	0.5		0.001<	0.010	0.295

( CONTD )



B.O.W./ SITE: ST MARYS RIVER

SAMPLE POINT: AT HWY.NO.2 SAULT STE.MARIE MICHIGAN USA

STATION TYPE: RIVER

STATION ID: 13-0000-008-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

STORET CODE: 02

002

LAT: 46 29 45.51 LONG: 084 23 21.07 U T M: 16 0700350.0 5152250.0 4 REGION: 05

*INTERIM TEST-NAME:		CUUT	DO	FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR NH3-N	NNOTFR NO2+NO3N
SAMPLE DATE YYMMDD	HR LMT	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	HARDNESS TOTAL MG/L AS CACO3	MAGNESIM FIL.REAC MG/L AS MG	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N
	MAXIMUM	0.170	13.00	0.515		20.0	44	2.70		0.018	0.435
	ARITH MEAN	0.021	10.73	0.09 <A		8.6	44	2.70		0.010	0.302
	GEOM MEAN		10.62	0.06 <A			44	2.70		0.009	0.298
	MINIMUM	0.001	8.00	0.030		0.0	44	2.70		0.006	0.245
	STD DEV (GEOM *)		1.56	0.14 <A			0	0.00		0.005	0.058
# SAMP IN STATISTICS		10	11	11		11	2	2		10	10
% SAMP (EXCLUDED)		9									

*INTERIM TEST-NAME:		NNTKUR K'DAHL N TOTAL FIL.TOT.	PBUT LEAD UNF.TOT.	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSF RESIDUE FILTERED MG/L	RSP RESIDUE PARTIC. MG/L	SOLEXT SOLVENT EXTRACT. MG/L	SS04UR SULPHATE UNF.REAC MG/L AS S04
820108	1500	33704	0.10	0.003<	7.86	1 <T	0.280	0.132	64	0.7	5.5
820319	1530	33718	0.12	0.003<	7.98	1	0.006	0.011		0.1 <W	
820526	1715	33741	0.13	0.003<	8.07	0.2<T	0.0010<T	0.014		0.395<T	
820616	1345	33753	0.12	0.003<	8.02	0.4<T	0.0060	0.006		0.655<T	0
820705	1900	33762	0.12	0.025	7.96	0.6<T	0.0035	0.007		1.220	1
820825	1430	33779	0.14	0.003<	8.07	1.6	0.0005<W	0.002<T		2.210	1
820930	1130	33791	0.10	0.003<	8.07	0.4<T	0.0030	0.003<T		0.410	
821027	1030	33808		0.015	7.83	25.2	0.0085	0.028		7.120	
	1230	33807	0.320	0.010	7.88	1.2	0.0150	0.019		2.410	
821127	1430	33820	0.130	0.003	7.93	2.8	0.0015<T	0.010		3.020	
821228	1400	33835	0.280	0.003<	8.05	0.4<T	0.0020<T	0.008		1.500	1
	MAXIMUM	0.320	0.025	8.07	25.2	0.280	0.132	64	7.120	1	5.5
	ARITH MEAN	0.16	0.013	7.97	3 <A	0.030 <A	0.022<A	64	1.8 <A	1	5.5
	GEOM MEAN	0.14		7.97	1 <A	0.005 <A	0.011<A		1.0 <A		
	MINIMUM	0.10	0.003	7.83	0.2	0.0005	0.002	64	0.1	0	5.5
	STD DEV (GEOM *)	0.08		0.09	7 <A	0.083 <A	0.037<A		2.0 <A		
# SAMP IN STATISTICS		10	4	11	11	11	11	1	11	4	1
% SAMP (EXCLUDED)			63								

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STORET CODE: 02  
002

MAXIMUM	4.50	0.018
ARITH MEAN	1.28	0.007
GEOM MEAN	1.02	0.005
MINIMUM	0.43	0.002
EV (GEOM *)	1.14	0.005
STATISTICS	11	11
(EXCLUDED)		

B.O.W./ SITE: BIG CARP RIVER  
SAMPLE POINT: AT HERKIMER STREET SAULT STE MARIE  
STATION TYPE: RIVER FLOW GAUGE FED.02BF004

STATION ID: 13-0003-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: BIG CARP RIVER

STORET CODE: 02  
002  
8640

LAT: 46 30 26.09 LONG: 084 26 59.67 U T M: 16 0695650.0 5153350.0 4 REGION: 05 DISTANCE: 1.127

*INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FNFLOW
					ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
SAMPLE	DATE	TIME	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW
YYMMDD	HR	MIN	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3
	LMT		M	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	/S
820108	1610		33706	0101	23		3.40	88	0.001	11.00		0.245
820319	1615		33720	0101	20		8.40	103	0.003<	11.00		0.318
820521	2045		33730	0101	20.5	0.170	4.40	76.6	0.002	9.00	0.735	0.536
820616	1500		33747	0101	28.2	0.150	7.00	101.0	0.006	9.00	1.010	0.285
820725	1515		33763	0101	36.8	0.140	3.25	99.7	0.004	9.00	1.180	0.052
820825	1330		33781	0101	33.8	0.140	5.50	105.0	0.002	7.00	0.870	0.069
820927	1630		33794	0101	21.5	0.190	3.38	76.2	0.004	9.00	0.800	0.880
821027	1100		33809	0101	21.2	0.230	3.26	74.0	0.005	10.00	0.790	0.769
821129	1730		33822	0101	20.7	0.260	3.89	77.1	0.002	10.00	0.645	0.750
821230	1330		33837	0101	16.9	0.200	2.74	69.1	0.007	11.00	0.520	1.700
MAXIMUM			0.30		36.8	0.260	8.40	105.0	0.007	11.00	1.180	1.700
ARITH MEAN			0.30		24	0.185	4.52	87	0.004	9.60	0.819	0.560
GEOM MEAN					24	0.181	4.23	86		9.52	0.796	0.360
MINIMUM			0.30		16.9	0.140	2.74	69.1	0.001	7.00	0.520	0.052
STD DEV (GEOM *)					7	0.044	1.87	14		1.26	0.206	0.496
# SAMP IN STATISTICS			10		10	8	10	10	9	10	8	10
% SAMP (EXCLUDED)									10			

*INTERIM		TEST-NAME:	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PBUT	PH
SAMPLE				WATER	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD	
DATE	HR	SAMPLE	STREAM	TEMP	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
YYMMDD	LMT	NUMBER	COND.	DEG.C	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB	PH
820108	1610	33706		0.0		0.102	0.235	0.004	0.230	0.38	0.003<	7.23
820319	1615	33720		0.0		0.004	0.665	0.004	0.660	0.40	0.005	7.12
820521	2045	33730	8	15.0	0.001<	0.006<T					0.003<	6.90
820616	1500	33747	8	15.0	0.001<	0.024					0.003<	7.26
820725	1515	33763	8	22.0	0.002	0.042					0.017	7.28
820825	1330	33781	8	13.0	0.002	0.004<T					0.003<	7.35
820927	1630	33794		14.0	0.005	0.002<T					0.015	7.02
821027	1100	33809	8	6.5	0.001<	0.042					0.003	7.21
821129	1730	33822	8	4.0	0.001<	0.002<T					0.003	7.28
821230	1330	33837	4		0.001<	0.044					0.040	6.79
MAXIMUM				22.0	0.005	0.102	0.665	0.004	0.660	0.40	0.040	7.35
ARITH MEAN				9.9	0.003	0.027<A	0.450	0.004	0.445	0.39	0.014	7.14
GEOM MEAN						0.012<A	0.395	0.004	0.390	0.39		7.14
MINIMUM				0.0	0.002	0.002	0.235	0.004	0.230	0.38	0.003	6.79
STD DEV (GEOM *)						0.032<A	0.304	0.000	0.304	0.01		0.18

\* SAMP IN STATISTICS  
SAMP EXCLUDED

B.O.W./ SITE: BIG CARP RIVER

SAMPLE POINT: AT HERKIMER STREET SAULT STE MARIE

STATION TYPE: RIVER FLOW GAUGE FED.02BF004

STATION ID: 13-0003-001-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: BIG CARP RIVER

STORET CODE: 02

002

8640

LAT: 46 30 26.09 LONG: 084 26 59.67

U T M: 16 0695650.0 5153350.0 4

REGION: 05

DISTANCE: 1.127

*INTERIM TEST-NAME:		PHNOL	PP04FR	PPUT	RSP	SS04UR	TURB	ZNUT
		PHENOLS	PO4	PHOSPHOR		SULPHATE		ZINC
SAMPLE		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	UNF.REAC		UNF.TOT.
DATE	HR	UG/L	MG/L	MG/L	PARTIC.	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	PHENOL	AS P	AS P	MG/L	AS SO4	FTU	AS ZN
820108	1610	33706	0.110	0.130	1.3	15.0	3.70	0.008
820319	1615	33720	0.003	0.022	2.6	11.3	3.10	0.009
820521	2045	33730	0.4<T	0.0020<T	0.028	2.730	5.10	0.006
820616	1500	33747	0.6<T	0.0020<T	0.033	4.830	5.20	0.010
820725	1515	33763	1.2	0.0020<T	0.020	2.010	2.80	0.026
820825	1330	33781	1.2	0.0035	0.015	3.790	4.20	0.004
820927	1630	33794	3.4	0.1860	0.230	4.150	3.90	0.013
821027	1100	33809	1.6	0.0030	0.017	4.140	5.10	0.009
821129	1730	33822	1.6	0.0015<T	0.012	5.300	44.00	0.015
821230	1330	33837	1.4	0.0020<T	0.014	3.890	2.80	0.017
MAXIMUM		3.4	0.1860	0.230	5.300	15.0	44.00	0.026
ARITH MEAN		1.4<A	0.031 <A	0.052	3.5	13.1	7.99	0.012
GEOM MEAN		1.2<A	0.005 <A	0.030	3.2	13.0	4.95	0.010
MINIMUM		0.4	0.0015	0.012	1.3	11.3	2.80	0.004
STD DEV (GEOM *)		0.9<A	0.064 <A	0.072	1.3	2.6	12.69	0.006
# SAMP IN STATISTICS		8	10	10	10	2	10	10
% SAMP (EXCLUDED)								

B.O.W./ SITE: BENNETT CREEK  
 SAMPLE POINT: AT 2ND.LINE RD.SAULT STE MARIE  
 STATION TYPE: RIVER

STATION ID: 13-0007-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: BENNETT CREEK

STORET CODE: 02  
 002  
 8610

LAT: 46 32 14.32 LONG: 084 24 22.01 U T M: 16 0698900.0 5156800.0 4 REGION: 05 DISTANCE: 2.897

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	STREAM
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	COND.
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	
820706		32311	0101	30.4	0.075	7.50	118.0	0.030		0.230	
821124	1345	32312	0101	20.9	0.390	3.71	80.7	0.014	10.00	0.730	8
MAXIMUM		0.30		30.4	0.390	7.50	118.0	0.030	10.00	0.730	
ARITH MEAN		0.30		25.6	0.232	5.60	99.3	0.022	10.00	0.480	
GEOM MEAN				25.2	0.171	5.27	97.6	0.020		0.410	
MINIMUM		0.30		20.9	0.075	3.71	80.7	0.014	10.00	0.230	
STD DEV (GEOM *)				6.7	0.223	2.68	26.4	0.011		0.354	
# SAMP IN STATISTICS		2		2	2	2	2	2	1	2	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	TURB
			NICKEL	NH3-N	LEAD		PHENOLS	P04	PHOSPHOR		
SAMPLE		WATER	UNF.TOT.	FIL.REAC	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	TURB'ITY
DATE	HOUR	TEMP	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.	FTU
YYMMDD	LMT	DEG.C	AS NI	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	
820706			0.001	0.010	0.004	7.60	0.2<T	0.0010<T	0.010	1.840	1.71
821124	1345		0.001<	0.006	0.003<	7.36	0.4<T	0.0025	0.017	11.400	7.30
MAXIMUM		1.0	0.001	0.010	0.004	7.69	0.4	0.0025	0.017	11.400	7.30
ARITH MEAN		1.0	0.001	0.008	0.004	7.52	0.3<A	0.0017<A	0.013	6.620	4.50
GEOM MEAN				0.008		7.52	0.3<A	0.0016<A	0.013	4.580	3.53
MINIMUM		1.0	0.001	0.006	0.004	7.36	0.2	0.0010	0.010	1.840	1.71
STD DEV (GEOM *)				0.003		0.23	0.1<A	0.0011<A	0.005	6.760	3.95
# SAMP IN STATISTICS		1	1	2	1	2	2	2	2	2	2
% SAMP (EXCLUDED)			50		50						

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 103

B.O.W./ SITE: BENNETT CREEK  
SAMPLE POINT: AT 2ND.LINE RD.SAULT STE MARIE  
STATION TYPE: RIVER

STATION ID: 13-0007-003-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: BENNETT CREEK

STORET CODE: 02  
002  
8610

LAT: 46 32 14.32 LONG: 084 24 22.01

U T M: 16 0698900.0 5156800.0 4

REGION: 05

DISTANCE: 2.897

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
SAMPLE UNF.TOT.  
DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN  
  
820706 32311 0.320  
821124 1345 32312 0.072  
  
MAXIMUM 0.320  
ARITH MEAN 0.196  
GEOM MEAN 0.152  
MINIMUM 0.072  
STD DEV (GEOM \*) 0.175  
# SAMP IN STATISTICS 2  
% SAMP (EXCLUDED)

STORET CODE: 02  
002  
8610

[illegible]

B.O.W./ SITE: EAST DAVIGNON CREEK  
 SAMPLE POINT: NEAR MOUTH WEST OF ALGOMA STEEL  
 STATION TYPE: RIVER

STATION ID: 13-0008-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: EAST DAVIGNON CREEK

STORET CODE: 02  
 002  
 8600

LAT: 46 31 23.61 LONG: 084 22 49.38 U T M: 16 0700925.0 5155300.0 4 REGION: 05 DISTANCE: 0.483

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CCNAUR CYANIDE AVAIL	CLIDUR	COD	COND25	CUUT	DO
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL MG/L	ALUMINUM UNF.TOT. MG/L	UNF.REAC MG/L	CHLORIDE UNF.REAC MG/L	CHEM. OX DEMAND MG/L	CONDUCT. 25C UMHO/CM	COPPER UNF.TOT. MG/L	DISSOLVED OXYGEN MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AS HCN	AS CL	AS O	AT 25 C	AS CU	AS O
820108	1540	33705	0101	42		0.005<T		4	130		9.00
820319	1600	33719	0101	52		0.005			210	0.008	11.00
820521	2100	33731	0101	46.5	0.260	0.049	16.80		169.0	0.012	9.00
820616	1415	33748	0101	36.7	0.006	0.011	13.80		137.0	0.007	9.00
820725	1500	33761	0101	44.4	0.066	0.019	8.00		130.0	0.007	8.00
820825	1300	33780	0101	43.8	0.039	0.016	7.95		141.0	0.005	10.00
820927	1640	33793	0101	39.4	0.089	0.012	13.70		157.0	0.005	7.00
821129	1700	33821	0101	51.3	0.170	0.010	10.40		160.0	0.005	6.00
821228	1430	33836	0101	43.8	0.085	0.010<=>	10.10		150.0	0.006	7.00
MAXIMUM		0.30		52	0.260	0.049	16.80	4	210	0.012	11.00
ARITH MEAN		0.30		44	0.102	0.015<A	11.54	4	154	0.007	8.44
GEOM MEAN				44	0.065	0.012<A	11.13		152	0.007	8.31
MINIMUM		0.30		36.7	0.006	0.005	7.95	4	130	0.005	6.00
STD DEV (GEOM *)				5	0.086	0.013<A	3.32		25	0.002	1.59
# SAMP IN STATISTICS		9		9	7	9	7	1	9	8	9
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL
SAMPLE DATE	HOUR	IRON UNF.TOT. MG/L	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.TOT. MG/L	LEAD UNF.TOT. MG/L	PH	PHENOLS UNF-REAC UG/L
YYMMDD	LMT	AS FE			AS NI	AS N	AS N	AS N	AS PB		PHENOL
820108	1540	33705		7.0		0.032		0.25		7.42	3
820319	1600	33719		7.0			0.675	0.40	0.003<	7.37	14
820521	2100	33731	5 8 9	14.0	0.002	0.002<T	0.520	0.33	0.007	7.06	9.6
820616	1415	33748	8 5 9	17.0	0.002	0.008	0.780	0.20	0.003<	7.07	10.8
820725	1500	33761	5 8 9	22.0	0.006	0.004<T	0.600	0.21	0.020	7.47	18.2
820825	1300	33780	9 0	14.0	0.003	0.002<T	1.000	0.25	0.003<	7.51	25.6
820927	1640	33793		21.0	0.007	0.196	0.860	0.50	0.006	7.32	22.2
821129	1700	33821	8 9	14.0	0.002	0.002<T	0.705	0.420	0.010	7.56	16.6
821228	1430	33836		2.5	0.001<	0.006	0.890	0.250	0.012	7.34	21.6
MAXIMUM		5.200		22.0	0.007	0.196	1.000	0.50	0.020	7.56	25.6
ARITH MEAN		2.74		13.2	0.004	0.031<A	0.754	0.31	0.011	7.35	16
GEOM MEAN		2.41		11.1		0.007<A	0.739	0.30		7.34	14
MINIMUM		0.900		2.5	0.002	0.002	0.520	0.20	0.006	7.06	3
STD DEV (GEOM *)		1.41		6.6		0.067<A	0.159	0.11		0.18	7
# SAMP IN STATISTICS		9		9	6	8	8	9	5	9	9
% SAMP (EXCLUDED)					14				37		

(CONT'D)





B.O.W./ SITE: EAST DAVIGNON CREEK  
 SAMPLE POINT: AT 4THLINE RD, SAULT STE MARIE  
 STATION TYPE: RIVER

STATION ID: 13-0008-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: EAST DAVIGNON CREEK

STORET CODE: 02  
 002  
 8600

LAT: 46 35 22.82 LONG: 085 40 34.94 U T M: 16 0601400.0 5160200.0 4 REGION: 05 DISTANCE: 6.276

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	COND.
820706		32301	0101	12.3	0.038	0.30	36.9	0.001		0.305	
821124	1430	32302	0101	7.4	0.460	0.46	32.1	0.066	10.00	0.375	8
		MAXIMUM	0.30	12.3	0.460	0.46	36.9	0.066	10.00	0.375	
		ARITH MEAN	0.30	9.8	0.249	0.38	34.5	0.033	10.00	0.340	
		GEOM MEAN		9.5	0.132	0.37	34.4	0.008		0.338	
		MINIMUM	0.30	7.4	0.038	0.30	32.1	0.001	10.00	0.305	
		STD DEV (GEOM *)		3.5	0.298	0.11	3.4	0.046		0.049	
		# SAMP IN STATISTICS	2	2	2	2	2	2	1	2	
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		NIUT	NNHTFR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	TURB	ZNUT
		NICKEL	NH3-N	LEAD		PHENOLS	P04	PHOSPHOR			ZINC
SAMPLE DATE	HOUR	UNF.TOT.	FIL.REAC	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	TURB'ITY	UNF.TOT.
YYMMDD	LMT	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	PARTIC.	FTU	MG/L
		AS NI	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L		AS ZN
820706		0.001<	0.014	0.003<	7.18	0.2<T	0.0005<W	0.012	0.055<T	0.44	0.002
821124	1430	0.009	0.048	0.010	6.59	0.6<T	0.0005<W	0.009	1.780	0.88	0.058
		MAXIMUM	0.009	0.010	7.18	0.6	0.0005	0.012	1.780	0.88	0.058
		ARITH MEAN	0.009	0.010	6.88	0.4<A	0.0005<A	0.010	0.917<A	0.66	0.030
		GEOM MEAN			6.88	0.3<A	0.0005<A	0.010	0.313<A	0.62	0.011
		MINIMUM	0.009	0.010	6.59	0.2	0.0005	0.009	0.055	0.44	0.002
		STD DEV (GEOM *)			0.42	0.3<A	0.0000<A	0.002	1.220<A	0.31	0.040
		# SAMP IN STATISTICS	1	1	2	2	2	2	2	2	2
		% SAMP (EXCLUDED)	50	50							

B.O.W./ SITE: FORT CREEK  
 SAMPLE POINT: AT MOUTH, SAULT STE MARIE  
 STATION TYPE: RIVER

STATION ID: 13-0009-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: FORT CREEK

STORET CODE: 02  
 002  
 8590

LAT: 46 30 56.23 LONG: 084 20 35.77 U T M: 16 0703800.0 5154550.0 4 REGION: 05 DISTANCE: 0.161

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CRUT	CUUT	DO	FEUT		
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	IRON		
SAMPLE DATE	YMMDD	TIME	SAMPLE NUMBER	DEPTH	PROJECT SUB-PROJ CODE	TOTAL MG/L AS CAC03	UNF.TOT. MG/L AS AL	UNF.REAC MG/L AS CL	UMHO/CM AT 25 C	UNF.TOT. MG/L AS CR	UNF.TOT. MG/L AS CU	MG/L AS O	UNF.TOT. MG/L AS FE
820319	1400		33717	0.30	0101	88		320.00	1250	0.023U	0.078U	10.00	5.700
820521	2145		33733	0.30	0101	109.8	0.700	138.00	671.0		0.006	9.00	1.055
820725	1345		33773	0.30	0101	95.1	0.360	59.00	385.0		0.090	9.00	0.830
820927	1700		33792	0.30	0101	165.0	0.590	68.50	566.0		0.011	7.00	1.370
821127	1400		33818	0.30	0101	108.8	1.300	326.00	1275.0		0.006	5.00	2.400
MAXIMUM		0.30		165.0		1.300		326.00	1275.0	0.023	0.090	10.00	5.700
ARITH MEAN		0.30		113		0.737		182.30	829	0.023	0.038	8.00	2.271
GEOM MEAN				111		0.663		142.22	747		0.019	7.77	1.750
MINIMUM		0.30		88		0.360		59.00	385.0	0.023	0.006	5.00	0.830
STD DEV (GEOM *)				30		0.401		132.03	408		0.042	2.00	2.009
# SAMP IN STATISTICS		5		5		4		5	5	1	5	5	5
% SAMP (EXCLUDED)													

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	PBU'T	PH	PHNOL	PP04FR	PPUT	RSP	
				NICKEL	NH3-N	LEAD		PHENOLS	P04	PHOSPHOR		
SAMPLE DATE	YMMDD	TIME	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	UNF.TOT. MG/L AS PB	UNF-REAC UG/L PHENOL	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	RESIDUE PARTIC. MG/L
820319	1400		33717		7.0	0.010U		0.100U	6.97	2	0.260	89.0
820521	2145		33733	8	14.0	0.002<	0.004<T	0.003<	7.67	0.4<T	0.0060	0.042
820725	1345		33773	8 5	21.0	0.002	0.002<T	0.013	7.98	1.4	0.0150	0.053
820927	1700		33792		14.5	0.008	0.126	0.016	7.78	3.4	0.1850	0.265
821127	1400		33818	8	2.0	0.002	0.004<T	0.012	7.83	7.6	0.0190	0.065
MAXIMUM					21.0	0.010	0.126	0.100	7.98	7.6	0.1850	0.265
ARITH MEAN					11.7	0.005	0.034<A	0.035	7.65	3 <A	0.0562	0.137
GEOM MEAN					9.0		0.008<A		7.64	2 <A	0.0237	0.100
MINIMUM					2.0	0.002	0.002	0.012	6.97	0.4	0.0060	0.042
STD DEV (GEOM *)					7.3		0.061<A		0.39	3 <A	0.0860	0.115
# SAMP IN STATISTICS					5	4	4	4	5	5	4	5
% SAMP (EXCLUDED)						20		20				

B.O.W./ SITE: FORT CREEK  
SAMPLE POINT: AT MOUTH, SAULT STE MARIE  
STATION TYPE: RIVER

STATION ID: 13-0009-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: FORT CREEK

STORET CODE: 02'  
002  
8590

LAT: 46 30 56.23 LONG: 084 20 35.77

U T M: 16 0703800.0 5154550.0 4

REGION: 05

DISTANCE: 0.161

*=INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HOUR	SAMPLE TURB'ITY	MG/L
YYMMDD	LMT	NUMBER FTU	AS ZN
820319	1400	33717	86.00
820521	2145	33733	19.70
820725	1345	33773	7.80
820927	1700	33792	15.10
821127	1400	33818	39.00
MAXIMUM		86.00	0.120
ARITH MEAN		33.52	0.057
GEOM MEAN		23.89	0.039
MINIMUM		7.80	0.018
STD DEV (GEOM *)		31.53	0.053
# SAMP IN STATISTICS		5	5
% SAMP (EXCLUDED)			

B.O.W./ SITE: ROOT RIVER

SAMPLE POINT: AT HWY.NO.17 EAST OF SAULT STE MARIE

STATION TYPE: RIVER FLOW GAUGE FED 02CA002

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: ROOT RIVER

STATION ID: 13-0011-001-02

STORET CODE: 02

002

8570

LAT: 46 32 48.66 LONG: 084 13 06.53

U T M: 16 0713250.0 5158350.0 4

REGION: 05

DISTANCE: 1.287

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CRUT	CUUT	DO	FEUT	
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	IRON	
				TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN	UNF.TOT.	
				MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	MG/L	
				AS CAC03	AS AL	AS CL	AT 25 C	AS CR	AS CU	AS O	AS FE	
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE								
820319	1235	33713	0.30	0101	18		12.00	100	0.001	0.003<	12.00	0.590
820527	1815	33744	0.30	0101	21.0	0.210	7.95	87.7		0.099	9.00	0.550
820727	1145	33768	0.30	0101	34.3	0.250	10.00	115.0		0.043	10.00	0.740
820927	1840	33786	0.30	0101		0.180				0.003	9.00	
821127	1240	33814	0.30	0101	14.0	0.270	6.78	71.4		0.002	10.00	0.515
MAXIMUM		0.30			34.3	0.270	12.00	115.0	0.001	0.099	12.00	0.740
ARITH MEAN		0.30			22	0.227	9.18	94	0.001	0.037	10.00	0.599
GEOM MEAN					21	0.225	8.97	92			9.94	0.593
MINIMUM		0.30			14.0	0.180	6.78	71.4	0.001	0.002	9.00	0.515
STD DEV (GEOM *)					9	0.040	2.30	18			1.22	0.099
# SAMP IN STATISTICS		5			4	4	4	4	1	4	5	4
% SAMP (EXCLUDED)										20		

*=INTERIM TEST-NAME:		FWFLOW	FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PHNOL
					NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHENOLS
					UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	UNF.TOT.		UNF-REAC
					MG/L	MG/L	MG/L	MG/L	MG/L		UG/L
					AS NI	AS N	AS N	AS N	AS PB	PH	PHENOL
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	STREAM FLOW M3 /S	STREAM COND.	WATER TEMP DEG.C						
820319	1235	33713	0.730		1.0	0.001<	0.002	0.39	0.005	6.45	2
820527	1815	33744	0.743		7.5	0.001<	0.004<T	0.300	0.009	7.12	0.4<T
820727	1145	33768	0.059		21.0	0.001<	0.008		0.008	7.44	0.8
820927	1840	33786	2.160		14.0	0.001<					1.2
821127	1240	33814	2.130	8		0.001<	0.040	0.245	0.003<	6.97	0.4<T
MAXIMUM		2.160			21.0		0.040	0.300	0.009	7.44	2
ARITH MEAN		1.164			10.9		0.013<A	0.272	0.007	6.99	1 <A
GEOM MEAN		0.682			6.9		0.007<A	0.271		6.99	1 <A
MINIMUM		0.059			1.0		0.002	0.245	0.005	6.45	0.4
STD DEV (GEOM *)		0.937			8.6		0.018<A	0.039		0.41	1 <A
# SAMP IN STATISTICS		5			4		4	2	3	4	5
% SAMP (EXCLUDED)									25		

B.O.W./ SITE: ROOT RIVER

STATION ID: 13-0011-001-02

SAMPLE POINT: AT HWY.NO.17 EAST OF SAULT STE MARIE

STATION TYPE: RIVER FLOW GAUGE FED 02CA002

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: ROOT RIVER

STORET CODE: 02

002

8570

LAT: 46 32 48.66 LONG: 084 13 06.53

U T M: 16 0713250.0 5158350.0 4

REGION: 05

DISTANCE: 1.287

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSP	TURB	ZNUT
		P04	PHOSPHOR			ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE		UNF.TOT.
DATE	HR	MG/L	MG/L	PARTIC.	TURB'ITY	MG/L
YYMMDD	LMT	AS P	AS P	MG/L	FTU	AS ZN
820319	1235	33713	0.002	0.022	6.9	0.003
820527	1815	33744	0.0030<T	0.035	4.040	0.040
820727	1145	33768	0.0030	0.015	3.590	0.021
820927	1840	33786				0.015
821127	1240	33814	0.0010<T	0.018	8.600	0.010
		MAXIMUM	0.0030	0.035	8.600	0.040
		ARITH MEAN	0.002 <A	0.022	5.8	0.018
		GEOM MEAN	0.002 <A	0.021	5.4	0.013
		MINIMUM	0.0010	0.015	3.590	0.003
		STD DEV (GEOM *)	0.001 <A	0.009	2.4	0.014
		# SAMP IN STATISTICS	4	4	4	5
		% SAMP (EXCLUDED)				

B.O.W./ SITE: ROOT RIVER

SAMPLE POINT: AT HWY.NO.17 NORTH OF SAULT STE MARIE

STATION TYPE: RIVER

STATION ID: 13-0011-002-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: ROOT RIVER

STORET CODE: 02

002

8570

LAT: 46 34 23.29 LONG: 084 19 15.19

U T M: 16 0705300.0 5160999.0 4

REGION: 05

DISTANCE: 13.840

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	SUB-PROJ CODE	MG/L	MG/L	MG/L	UMHO/CM AT 25 C	MG/L	MG/L	MG/L	STREAM COND.
				AS CAC03	AS AL	AS CL		AS CU	AS O	AS FE	
820327	1100	33721	0101	19			114	0.005	12.00		
820521	2030	33729	0101	11.4	0.073	13.00	84.6	0.004	10.00	0.310	8
820725	1530	33774	0101	58.3	0.056	35.20	256.0	0.004	10.00	0.220	8
820927	1600	33795	0101	13.5	0.080	12.50	88.2	0.001<	9.00	0.300	
821129	0945	33823	0101	13.9	0.003<	8.20	72.9	0.001	12.00	0.540	8
MAXIMUM		0.30		58.3	0.080	35.20	256.0	0.005	12.00	0.540	
ARITH MEAN		0.30		23	0.070	17.22	123	0.003	10.60	0.342	
GEOM MEAN				19		14.72	110		10.53	0.324	
MINIMUM		0.30		11.4	0.056	8.20	72.9	0.001	9.00	0.220	
STD DEV (GEOM *)				20		12.18	76		1.34	0.138	
# SAMP IN STATISTICS		5		5	3	4	5	4	5	4	
% SAMP (EXCLUDED)					25			20			

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	TURB
			NICKEL	NH3-N	LEAD		PHENOLS	P04	PHOSPHOR		
SAMPLE DATE	HOUR	SAMPLE	UNF.TOT.	FIL.REAC	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	TURB'ITY
YYMMDD	LMT	NUMBER	MG/L	MG/L	MG/L	PH	UG/L	MG/L	MG/L	PARTIC.	FTU
			AS NI	AS N	AS PB		PHENOL	AS P	AS P	MG/L	
820327	1100	33721	0.5	0.278	0.003<	6.94	1				1.27
820521	2030	33729	17.0	0.008	0.003<	6.71	0.4<T	0.0010<T	0.023	0.970<T	1.18
820725	1530	33774	23.0	0.001<	0.008	7.81	1.2	0.0010<T	0.006	0.090<T	0.64
820927	1600	33795	16.5	0.001<	0.002<T	7.09	2.0	0.0005<W	0.007	0.530	0.67
821129	0945	33823	3.0	0.001<	0.184	7.22	2.8	0.0010<W	0.014	20.700	2.70
MAXIMUM		23.0	0.002	1.310	0.008	7.81	2.8	0.0010	0.023	20.700	2.70
ARITH MEAN		12.0	0.002	0.356<A	0.008	7.15	1 <A	0.0009<A	0.012	5.572<A	1.29
GEOM MEAN		6.3		0.064<A		7.14	1 <A	0.0008<A	0.011	0.989<A	1.12
MINIMUM		0.5	0.002	0.002	0.008	6.71	0.4	0.0005	0.006	0.090	0.64
STD DEV (GEOM *)		9.7		0.546<A		0.41	1 <A	0.0002<A	0.008	10.091<A	0.84
# SAMP IN STATISTICS		5	1	5	1	5	5	4	4	4	5
% SAMP (EXCLUDED)			75		80						

B.O.W./ SITE: ROOT RIVER  
SAMPLE POINT: AT HWY.NO.17 NORTH OF SAULT STE MARIE  
STATION TYPE: RIVER

STATION ID: 13-0011-002-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: ROOT RIVER

STORET CODE: 02  
002  
8570

LAT: 46 34 23.29 LONG: 084 19 15.19

U T M: 16 0705300.0 5160999.0 4

REGION: 05

DISTANCE: 13.840

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
SAMPLE UNF.TOT.  
DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN

820327	1100	33721	0.010
820521	2030	33729	0.005
820725	1530	33774	0.024
820927	1600	33795	0.002
821129	0945	33823	0.011

MAXIMUM 0.024  
ARITH MEAN 0.010  
GEOM MEAN 0.008  
MINIMUM 0.002  
STD DEV (GEOM \*) 0.008  
# SAMP IN STATISTICS 5  
% SAMP (EXCLUDED)



B.O.W./ SITE: GARDEN RIVER  
 SAMPLE POINT: HIGHWAY 17, GARDEN RIVER  
 STATION TYPE: RIVER

STATION ID: 13-0013-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: GARDEN RIVER

STORET CODE: 02  
 002  
 8550

LAT: 46 32 36.82 LONG: 084 09 28.79 U T M: 16 0717900.0 5158150.0 4 REGION: 05 DISTANCE: 2.253

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	YMMDD LMT	SAMPLE DEPTH	PROJECT SUB-PROJ	TOTAL MG/L	UNF.TOT. MG/L	UNF.REAC MG/L	25C UMHO/CM	UNF.TOT. MG/L	OXYGEN MG/L	UNF.TOT. MG/L	STREAM COND.
		M	CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	
820319	1215	33712	0101	33		2000.00	6400	0.030U	12.00	1.550	
820527	1745	33745	0101	18.1	0.180	0.65	58.0	0.008	9.00	0.360	
820727	1130	33767	0101	25.2	0.110	0.65	69.8	0.010	9.00	0.215	8
820927	1830	33785	0101	21.9	0.120	0.55	63.3	0.001<	10.00	0.255	8
821127	1230	33813	0101	16.1	0.250	1.07	56.3	0.002	7.00	0.365	8
MAXIMUM		0.30		33	0.250	2000.00	6400	0.030	12.00	1.550	
ARITH MEAN		0.30		23	0.165	400.58	1329	0.012	9.40	0.549	
GEOM MEAN				22	0.156	3.46	156		9.26	0.407	
MINIMUM		0.30		16.1	0.110	0.55	56.3	0.002	7.00	0.215	
STD DEV (GEOM *)				7	0.065	894.10	2835		1.82	0.563	
# SAMP IN STATISTICS		5		5	4	5	5	4	5	5	
% SAMP (EXCLUDED)								20			

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PHNOL
			NICKEL	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD		PHENOLS
SAMPLE DATE	YMMDD LMT	WATER TEMP	UNF.TOT. MG/L	TOTAL MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.TOT. MG/L	UNF.TOT. MG/L	PH	UNF-REAC UG/L
		DEG.C	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB		PHENOL
820319	1215	33712	1.0	0.292	1.300	0.065	1.235	0.80	0.092U	7.27	7
820527	1745	33745	12.0	0.001<	0.008				0.003<	7.32	0.4<T
820727	1130	33767	22.0	0.001<	0.006				0.020	7.59	0.6<T
820927	1830	33785	15.0	0.001<	0.012				0.003	7.55	0.8
821127	1230	33813		0.001	0.018				0.010	7.11	0.2<T
MAXIMUM		22.0	0.001	0.292	1.300	0.065	1.235	0.80	0.092	7.59	7
ARITH MEAN		12.5	0.001	0.067	1.300	0.065	1.235	0.80	0.031	7.37	2 <A
GEOM MEAN		7.9		0.020						7.37	1 <A
MINIMUM		1.0	0.001	0.006	1.300	0.065	1.235	0.80	0.003	7.11	0.2
STD DEV (GEOM *)		8.7		0.126						0.20	3 <A
# SAMP IN STATISTICS		4	1	5	1	1	1	1	4	5	5
% SAMP (EXCLUDED)			75						20		

B.O.W./ SITE: GARDEN RIVER  
SAMPLE POINT: HIGHWAY 17, GARDEN RIVER  
STATION TYPE: RIVER

STATION ID: 13-0013-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: GARDEN RIVER

STORET CODE: 02  
002  
8550

LAT: 46 32 36.82 LONG: 084 09 28.79 U T M: 16 0717900.0 5158150.0 4 REGION: 05 DISTANCE: 2.253

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSP	TURB	ZNUT
		P04	PHOSPHOR			ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE		UNF.TOT.
DATE	HR	MG/L	MG/L	PARTIC.	TURB'ITY	MG/L
YYMMDD	LMT	AS P	AS P	MG/L	FTU	AS ZN
820319	1215	33712	0.001	0.055	27.3	25.00
820527	1745	33745	0.0030<T	0.022	6.840	5.90
820727	1130	33767	0.0010<T	0.009	1.220	1.76
820927	1830	33785	0.2300	0.235	2.670	1.82
821127	1230	33813	0.0010<T	0.007	9.580	2.50
MAXIMUM		0.2300	0.235	27.3	25.00	0.081
ARITH MEAN		0.047 <A	0.066	9.5	7.40	0.025
GEOM MEAN		0.004 <A	0.028	5.7	4.12	0.015
MINIMUM		0.001	0.007	1.220	1.76	0.005
STD DEV (GEOM *)		0.102 <A	0.097	10.5	9.99	0.032
# SAMP IN STATISTICS		5	5	5	5	5
% SAMP (EXCLUDED)						

## MOE - SAMPLE INFORMATION SYSTEM R4.5

B.O.W./ SITE: THESSALON RIVER  
SAMPLE POINT: AT MOUTH, SOUTH OF THESSALON  
STATION TYPE: RIVER

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 116

STATION ID: 14-0003-001-02

STORET CODE: 02  
002  
8210

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: THESSALON RIVER

U T M: 17 0302700.0 5125125.0 4

REGION: 05

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	COND.
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	
820415	1235	33727	0101	24.6	0.760	1.80	81	0.002	11.00	0.700	8
820523	1600	32331	0101	24.0	0.314	1.00	63.8	0.003	12.00	0.705	8
820713	0945	32332	0101	37.2	0.140	1.35	96.5	0.004	8.00	0.555	
820916	1610	32334	0101	35.7	0.023	1.45	90.2	0.003	9.00	0.550	
821107	1545	32335	0101	26.4	0.320	1.21	71.8	0.002	13.00	0.485	
821128	1120	32336	0101	23.9	0.260	1.15	68.4	0.002	13.00	0.345	
MAXIMUM		0.30		37.2	0.760	1.80	96.5	0.004	13.00	0.705	
ARITH MEAN		0.30		28.6	0.303	1.33	79	0.003	11.00	0.557	
GEOM MEAN				28.1	0.200	1.30	78	0.003	10.82	0.541	
MINIMUM		0.30		23.9	0.023	1.00	63.8	0.002	8.00	0.345	
STD DEV (GEOM *)		6		6.1	0.251	0.28	13	0.001	2.10	0.136	
# SAMP IN STATISTICS				6	6	6	6	6	6	6	
% SAMP (EXCLUDED)											

STD DEV (GEOM \*)  
# SAMP IN STATISTICS  
% SAMP (EXCLUDED)

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	TURB
				NH3-N	LEAD			P04	PHOSPHOR	RESIDUE	TURB'ITY
SAMPLE DATE	HOUR	SAMPLE	NICKEL	TOTAL	UNF.TOT.	PH	UNF-REAC	FIL.REAC	UNF.TOT.	PARTIC.	FTU
YYMMDD	LMT	NUMBER	UNF.TOT.	FIL.REAC	MG/L		UG/L	MG/L	MG/L	MG/L	
			AS NI	AS N	AS PB		PHENOL	AS P	AS P		
820415	1235	33727	0.001<	0.006	0.003<	7.31	1.0<T	0.1450	0.180	19.000	15.20
820523	1600	32331	0.001	0.018	0.003<	7.46	0.8	0.0050	0.038	6.660	14.60
820713	0945	32332	0.001<	0.036	0.003<	7.73	0.6<T	0.0040	0.080	7.300	6.20
820916	1610	32334	0.001<	0.026	0.003<	7.82	1.2	0.0060	0.021	15.500	7.20
821107	1545	32335	0.001<	0.040	0.006	7.37	0.6<T	0.0025	0.021	8.120	3.40
821128	1120	32336	0.001<	0.002<W	0.003<	7.78	0.6<T	0.0070	0.187		3.30
MAXIMUM		19.0	0.001	0.040	0.006	7.82	1.2	0.1450	0.187	19.000	15.20
ARITH MEAN		10.4	0.001	0.021<A	0.006	7.58	0.8<A	0.0282	0.088	11.316	8.32
GEOM MEAN				0.014<A		7.58	0.8<A	0.0082	0.060	10.306	6.93
MINIMUM		0.0	0.001	0.002	0.006	7.31	0.6	0.0025	0.021	6.660	3.30
STD DEV (GEOM *)		5	1	0.016<A	1	0.22	0.3<A	0.0572	0.077	5.581	5.33
# SAMP IN STATISTICS			83	6	83	6	6	6	6	5	6
% SAMP (EXCLUDED)											

(CONT'D)

B.O.W./ SITE: THESSALON RIVER  
SAMPLE POINT: AT MOUTH, SOUTH OF THESSALON  
STATION TYPE: RIVER

STATION ID: 14-0003-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: THESSALON RIVER

STORET CODE: 02  
002  
8210

LAT: 46 15 10.81 LONG: 083 33 34.86 U T M: 17 0302700.0 5125125.0 4 REGION: 05

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
SAMPLE UNF.TOT.  
DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN

820415	1235	33727	0.008
820523	1600	32331	0.007
820713	0945	32332	0.001<
820916	1610	32334	0.001
821107	1545	32335	0.020
821128	1120	32336	0.013

MAXIMUM 0.020  
ARITH MEAN 0.010  
GEOM MEAN  
MINIMUM 0.001  
STD DEV (GEOM \*)  
# SAMP IN STATISTICS 5  
% SAMP (EXCLUDED) 16

B.O.W./ SITE: MISSISSAGI RIVER  
 SAMPLE POINT: AT MISSISSAGI CHUTE  
 STATION TYPE: RIVER FLOW GAUGE FED 02CC008

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MISSISSAGI RIVER

STATION ID: 14-0012-001-02

STORET CODE: 02  
 002  
 8110

LAT: 45 17 44.57 LONG: 082 59 51.64 U T M: 17 0343360.0 5017525.0 4 REGION: 05 DISTANCE: 3.862

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN POINT	ALUT	ALUT	ASUT	ASUT	CDUT	CDUT
SAMPLE DATE YYMMDD	DATE HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ALUMINUM UNF.TOT. UG/G DRY AS AL	ARSENIC UNF.TOT. MG/L AS AS	ARSENIC UNF.TOT. UG/G DRY AS AS	CADMIUM UNF.TOT. MG/L AS CD	CADMIUM UNF.TOT. UG/G DRY AS CD
820108		31600	0.30	0101	26			0.001<		0.0002	
820228		31622	0.30	0101	23.0			0.001<		0.0002<	
820420	0800	31644	0.30	0101	16.5	0.220		0.001<		0.0002<	
820518	0800	31672	0.30	0101	12.9	0.160		0.001<		0.0003	
820621	0900	31700	0.30	0101	19.9	0.062		0.001<		0.0002<	
820726	0900	31728	0.30	0101	21.3	0.040		0.001<		0.0002<	
820826	0900	31761	0.30	0101	27.4	0.046		0.001<		0.0002<	
820921	1600	43686	30.00				6400.00		0.67		0.20<
820927	0900	31774	0.30	0101	22.2	0.084		0.001<		0.0002<	
821028	0800	31809	0.30	0101	18.7	0.099		0.001<		0.0002<	
821127	0900	31841	0.30	0101	17.9	0.081		0.001<		0.0002<	
821227	1000	31873	0.30	0101	17.9	0.130		0.001<		0.0002<	
		MAXIMUM	30.00		27.4	0.220	6400.00		0.67	0.0003	
		ARITH MEAN	2.77		20	0.102	6400.00		0.67	0.0002	
		GEOM MEAN			20	0.089					
		MINIMUM	0.30		12.9	0.040	6400.00		0.67	0.0002	
		STD DEV (GEOM *)			4	0.059					
		# SAMP IN STATISTICS	12		11	1	9		1	2	
		% SAMP (EXCLUDED)								81	

*=INTERIM	TEST-NAME:	CLIDUR CHLORIDE UNF.REAC	COND25 CONDUCT. 25C	CRUT CHROMIUM UNF.TOT.	CRUT CHROMIUM UNF.TOT.	CUUT COPPER UNF.TOT.	CUUT COPPER UNF.TOT.	CUUT COPPER UNF.TOT.	FEUT IRON UNF.TOT.	FEUT IRON UNF.TOT.	FWFLOW STREAM FLOW
SAMPLE DATE YYMMDD	DATE HOUR LMT	SAMPLE NUMBER	UMHO/CM AT 25 C	MG/L AS CR	MG/L AS CR	MG/L AS CU	MG/L AS CO	MG/L AS CU	MG/L AS FE	MG/L AS FE	M3 /S
820108		31600	0.80	72	0.001	0.002			0.10		75.100
820228		31622	0.80	68.0	0.001<	0.001			0.11		88.900
820420	0800	31644	1.15	58.7	0.002	0.002			0.040		190.000
820518	0800	31672	0.70	48.7		0.001			0.185		166.000
820621	0900	31700	0.80	60.6	0.001<	0.005			0.150		55.000
820726	0900	31728	0.80	65.3	0.001<	0.001<			0.125		46.200
820826	0900	31761	0.80	69.3	0.001<	0.002			0.110		46.600
820921	1600	43686					10.00	4.00	2.50<	9900.00	
820927	0900	31774	0.96	68.1	0.001<	0.002					88.000
821028	0800	31809	0.75	57.0	0.001<	0.001<			0.195		237.000
821127	0900	31841	0.85	57.0	0.001<	0.002			0.170		187.000

B.O.W./ SITE: MISSISSAGI RIVER  
 SAMPLE POINT: AT MISSISSAGI CHUTE  
 STATION TYPE: RIVER FLOW GAUGE FED 02CC008

STATION ID: 14-0012-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02  
 002  
 8110

LAT: 45 17 44.57 LONG: 082 59 51.64 U T M: 17 0343360.0 5017525.0 4 REGION: 05 DISTANCE: 3.862

*INTERIM TEST-NAME:		CLIDUR CHLORIDE UNF.REAC	COND25 CONDUCT. 25C	CRUT CHROMIUM UNF.TOT.	CRUT CHROMIUM UNF.TOT.	CUUT COPPER UNF.TOT.	CUUT COPPER UNF.TOT.	CUUT COPPER UNF.TOT.	FEUT IRON UNF.TOT.	FEUT IRON UNF.TOT.	FWFLOW STREAM FLOW
DATE	TIME	MG/L	UMHO/CM	MG/L	UG/G DRY	MG/L	UG/G DRY	UG/G DRY	MG/L	UG/G DRY	M3
YYMMDD	LMT	AS CL	AT 25 C	AS CR	AS CR	AS CU	AS CO	AS CU	AS FE	AS FE	/S
821227	1000	31873	0.86	56.3	0.001<	0.001			0.225		172.000
		MAXIMUM	1.15	72	0.002	10.00	0.005	4.00	0.225	9900.00	237.000
		ARITH MEAN	0.84	62	0.001	10.00	0.002	4.00	0.14	9900.00	122.891
		GEOM MEAN	0.84	62					0.13		104.787
		MINIMUM	0.70	48.7	0.001	10.00	0.001	4.00	0.040	9900.00	46.200
		STD DEV (GEOM *)	0.12	7					0.05		68.463
		# SAMP IN STATISTICS	11	11	2	1	9	1	10	1	11
		% SAMP (EXCLUDED)			80		18				

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF GROSS ALPHA CT	GACP GROSS ALPHA CT	GBCF GROSS BETA CT	GBCP GROSS BETA CT	HGUT MERCURY UNF.TOT.	HGUT MERCURY UNF.TOT.	MNUT MANGANESE UNF.TOT.	NIUT NICKEL UNF.TOT.
DATE	TIME	COND.	TEMP DEG.C	FILTERED MBQ/L	UNDISSOL MBQ/L	FILTERED MBQ/L	UNDISSOL MBQ/L	UG/L AS HG	UG/G DRY AS HG	UG/G DRY AS MN	MG/L AS NI
YYMMDD	LMT	NUMBER									
820108		31600						0.02<			
820228		31622						0.05			
820420	0800	31644		120	40<	38	40<	0.04<			0.002<
820518	0800	31672	8	9.0	170	40<	92	40<	0.14		0.002<
820621	0900	31700	8	20.0	97	40<	61	40<	0.02<		0.001<
820726	0900	31728	8	23.0	61	40<	40<	40<	0.04<		0.001<
820826	0900	31761	8	17.0	430	40<	40	40<	0.03		0.001<
820921	1600	43686							0.01<	240.00	
820927	0900	31774	8	15.0	170	40<	60	40<	0.04<		0.001<
821028	0800	31809	8	0.8	60	40<	50	40<	0.03<		0.001<
821127	0900	31841	8	3.0	40<	40<	40<	40<	0.03<		0.001<
821227	1000	31873	2		130	50	220	40<	0.06<		0.001<
		MAXIMUM		23.0	430	50	220	0.14		240.00	
		ARITH MEAN		12.5	155	50	80	0.07		240.00	
		GEOM MEAN		8.2							
		MINIMUM		0.8	60	50	38	0.03		240.00	
		STD DEV (GEOM *)		8.5							
		# SAMP IN STATISTICS		7	8	1	7	3		1	
		% SAMP (EXCLUDED)			11	88	22	72			

B.O.W./ SITE: MISSISSAGI RIVER  
 SAMPLE POINT: AT MISSISSAGI CHUTE  
 STATION TYPE: RIVER FLOW GAUGE FED 02CC008

STATION ID: 14-0012-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02  
 002  
 8110

LAT: 45 17 44.57 LONG: 082 59 51.64 U T M: 17 0343360.0 5017525.0 4 REGION: 05 DISTANCE: 3.862

*=INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNO3FR NO3-N FIL.REAC	NNTKUR K'DAHL N TOTAL	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.	PBUT LEAD UNF.TOT.	PH
SAMPLE DATE	HOUR YMMDD LMT	SAMPLE NUMBER	UNF.TOT. UG/G DRY AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	FIL.TOT. MG/G DRY AS N	UNF.TOT. MG/L AS PB	UNF.TOT. MG/G DRY AS PB	PH
820108		31600		0.010			0.22		0.003<		7.21
820228		31622		0.008	0.155	0.0050	0.150	0.21	0.003<		7.72
820420	0800	31644		0.002<W	0.225	0.0040	0.220	0.25	0.003<		7.339
820518	0800	31672		0.056					0.003<		7.375
820621	0900	31700		0.014					0.003<		7.610
820726	0900	31728		0.034					0.003<		7.49
820826	0900	31761		0.020					0.003<		7.750
820921	1600	43686	6.60					0.1		2.00<	
820927	0900	31774		0.010	0.135	0.020	0.115	0.22	0.003<		7.745
821028	0800	31809		0.006	0.060	0.0040	0.056	0.250	0.003<		7.339
821127	0900	31841		0.004<T					0.003<		7.580
821227	1000	31873		0.024					0.003<		7.438
MAXIMUM		6.60		0.056	0.225	0.020	0.220	0.25	0.1		7.750
ARITH MEAN		6.60		0.017<A	0.144	0.008	0.135	0.23	0.1		7.51
GEOM MEAN				0.012<A	0.130	0.006	0.121	0.23			7.51
MINIMUM		6.60		0.002	0.060	0.0040	0.056	0.21	0.1		7.21
STD DEV (GEOM *)				0.016<A	0.068	0.008	0.069	0.02			0.19
# SAMP IN STATISTICS		1		11	4	4	4	5	1		11
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		PHNOL PHENOLS UNF-REAC	PP04FR PO4 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	PPUT PHOSPHOR UNF.TOT.	P1BHCA BHC ALPHA	P1BHCB BHC BETA	P1BHCG BHC GAMMA	P1CHLA CHLRDANE ALPHA	P1CHLG CHLRDANE GAMMA	P1DIEL DIELDRIN	
SAMPLE DATE	HOUR YMMDD LMT	SAMPLE NUMBER	UNF-REAC UG/L PHENOL	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	UNF.TOT. MG/G DRY AS P	BHC ALPHA NG/G DRY	BHC BETA NG/G DRY	BHC GAMMA NG/G DRY	CHLRDANE ALPHA NG/G DRY	CHLRDANE GAMMA NG/G DRY	DIELDRIN NG/G DRY
820108		31600	1 <T	0.0010	0.006							
820228		31622	1 <T	0.0040	0.010							
820420	0800	31644	1.0	0.0005<W	0.010							
820518	0800	31672	1.2	0.0010<T	0.007							
820621	0900	31700	1.4	0.0005	0.036							
820726	0900	31728	0.6<T	0.0005<W	0.010							
820826	0900	31761	0.8	0.0010<T	0.008							
820921	1600	43686				0.30	1<W	1<W	1<W	2<W	2<W	
820927	0900	31774	1.0	0.001 <T	0.004							
821028	0800	31809	0.4<T	0.0010<T	0.013							
821127	0900	31841	0.6<T	0.0010<T	0.004							

B.O.W./ SITE: MISSISSAGI RIVER

STATION ID: 14-0012-001-02

SAMPLE POINT: AT MISSISSAGI CHUTE

STATION TYPE: RIVER FLOW GAUGE FED 02CC008

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: MISSISSAGI RIVER

8110

LAT: 45 17 44.57 LONG: 082 59 51.64

U T M: 17 0343360.0 5017525.0 4

REGION: 05

DISTANCE: 3.862

*INTERIM TEST-NAME:		PHNOL	PP04FR	PPUT	PPUT	P1BHCA	P1BHCB	P1BHCG	P1CHLA	P1CHLG	P1DIEL
		PHENOLS	PO4	PHOSPHOR	PHOSPHOR						
SAMPLE		UNF-REAC	FIL.REAC	UNF.TOT.	UNF.TOT.	BHC	BHC	BHC	CHLRDANE	CHLRDANE	
DATE	HOUR	UG/L	MG/L	MG/L	MG/G DRY	ALPHA	BETA	GAMMA	ALPHA	GAMMA	DIELDRI
YYMMDD	LMT	PHENOL	AS P	AS P	AS P	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY
821227	1000	31873	1.4	0.0005<W	0.005						
		MAXIMUM	1.4	0.0040	0.036	0.30	1	1	1	2	2
		ARITH MEAN	1 <A	0.001 <A	0.010	0.30	1<A	1<A	1<A	2<A	2<A
		GEOM MEAN	1 <A	0.001 <A	0.008						
		MINIMUM	0.4	0.0005	0.004	0.30	1	1	1	2	2
		STD DEV (GEOM *)	0 <A	0.001 <A	0.009						
		# SAMP IN STATISTICS	11	11	11	1	1	1	1	1	1
		% SAMP (EXCLUDED)									

*INTERIM TEST-NAME:		P1DMDT	P1ENDR	P1ENDS	P1END1	P1END2	P1HEPE	P1HEPT	P1MIRX	P1OCHL	P1OPDT
		DMDT		ENDOSULP	ENDOSULP	ENDOSULP					
SAMPLE		MTHXYLLR	ENDRIN	SULPHATE	I	II	HEPE	HEPACHOR	MIREX	OXCHLANE	OP-DDT
DATE	HOUR	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY
YYMMDD	LMT	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
820921	1600	43686	5<W	4<W	4<W	2<W	4<W	1<W	1<W	5<W	2<W
		MAXIMUM	5	4	4	2	4	1	1	5	2
		ARITH MEAN	5<A	4<A	4<A	2<A	4<A	1<A	1<A	5<A	2<A
		GEOM MEAN									
		MINIMUM	5	4	4	2	4	1	1	5	2
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1	1	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)									



B.O.W./ SITE: MISSISSAGI RIVER  
 SAMPLE POINT: AT MISSISSAGI CHUTE  
 STATION TYPE: RIVER FLOW GAUGE FED 02CC008

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MISSISSAGI RIVER

STATION ID: 14-0012-001-02

STORET CODE: 02  
 002  
 8110

LAT: 45 17 44.57 LONG: 082 59 51.64 U T M: 17 0343360.0 5017525.0 4 REGION: 05 DISTANCE: 3.862

*=INTERIM TEST-NAME:		P1PCBT	P1PPDD	P1PPDE	P1PPDT	P2AMET	P2ATRA	P2BLAD	P2PROM	P2PROP	P2PROY	
SAMPLE DATE	PCB											
YYMMDD	TIME	NUMBER	NG/G DRY	PP-DDD NG/G DRY	PP-DDE NG/G DRY	PP-DDT NG/G DRY	ANETRYNE NG/G DRY	ATRAZINE NG/G DRY	BLADEX NG/G DRY	PROMETON NG/G DRY	PRPAZINE NG/G DRY	PRMTRYNE NG/G DRY
820921	1600	43686	20<W	5<W	1<W	5<W	50<W	50<W	100<W	50<W	50<W	50<W
MAXIMUM		20	5	1	5	50	50	100	50	50	50	50
ARITH MEAN		20<A	5<A	1<A	5<A	50<A	50<A	100<A	50<A	50<A	50<A	50<A
GEOM MEAN												
MINIMUM		20	5	1	5	50	50	100	50	50	50	50
STD DEV (GEOM *)												
# SAMP IN STATISTICS		1	1	1	1	1	1	1	1	1	1	1
% SAMP (EXCLUDED)												

*=INTERIM TEST-NAME:		P2SENC	P2SIM	P3DICA	P3PICL	P3SILV	P324D	P324DP	RA226F	RSF	RSP	
SAMPLE DATE	SENSOR								RADIUM	RESIDUE	RESIDUE	
YYMMDD	TIME	NUMBER	NG/G DRY	SIMAZINE NG/G DRY	DICAMBA NG/G DRY	PICLORAM NG/G DRY	SILVEX NG/G DRY	2,4-D NG/G DRY	2,4-DP NG/G DRY	226 FIL. MBQ/L	FILTERED MG/L	PARTIC. MG/L
820108		31600									47	2.5
820228		31622									44	0.1
820420	0800	31644								40<	38.0	6.790
820518	0800	31672								40<	32.0	1.760
820621	0900	31700								40<	39.0	0.265<T
820726	0900	31728								40<	42.6	1.220
820826	0900	31761								40<	45.0	1.320
820921	1600	43686	100<W	50<W	100<W	100<W	50<W	100<W	100<W			
820927	0900	31774								40<	44.3	3.330
821028	0800	31809								40<	37.1	2.640
821127	0900	31841								40<	37.1	2.250
821227	1000	31873								40	37.0	4.070
MAXIMUM		100	50	100	100	50	100	100	100	40	47	6.790
ARITH MEAN		100<A	50<A	100<A	100<A	50<A	100<A	100<A	100<A	40	40	2.4 <A
GEOM MEAN											40	1.5 <A
MINIMUM		100	50	100	100	50	100	100	100	40	32.0	0.1
STD DEV (GEOM *)											5	1.9 <A
# SAMP IN STATISTICS		1	1	1	1	1	1	1	1	1	11	11
% SAMP (EXCLUDED)										88		

B.O.W./ SITE: MISSISSAGI RIVER

SAMPLE POINT: AT MISSISSAGI CHUTE

STATION TYPE: RIVER FLOW GAUGE FED 02CC008

STATION ID: 14-0012-001-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02

002

8110

LAT: 45 17 44.57 LONG: 082 59 51.64

U T M: 17 0343360.0 5017525.0 4

REGION: 05

DISTANCE: 3.862

*=INTERIM TEST-NAME:		SNUT	TURB	UU238	X2HCB	ZNUT	ZNUT
		TIN				ZINC	ZINC
SAMPLE		UNF.TOT.		URANIUM		UNF.TOT.	UNF.TOT.
DATE	HOUR	UG/G DRY	TURB'ITY	238	HC	MG/L	UG/G DRY
YYMMDD	LMT	AS SN	FTU	UG/L	NG/G DRY	AS ZN	AS ZN
820108		31600	0.73			0.004	
820228		31622	0.71			0.004	
820420	0800	31644	6.20	3<		0.004	
820518	0800	31672	3.30	3<		0.007	
820621	0900	31700	1.35	3<		0.004	
820726	0900	31728	0.91	3<		0.001<	
820826	0900	31761	1.02	8		0.001	
820921	1600	43686	30.00<		1<W		24.00
820927	0900	31774	0.98	3<		0.007	
821028	0800	31809	1.89	3<		0.001	
821127	0900	31841	1.03	8		0.002	
821227	1000	31873	1.80	3<		0.001	
MAXIMUM			6.20	8	1	0.007	24.00
ARITH MEAN			1.81	8	1<A	0.003	24.00
GEOM MEAN			1.42				
MINIMUM			0.71	8	1	0.001	24.00
STD DEV (GEOM *)			1.64				
# SAMP IN STATISTICS			11	2	1	10	1
% SAMP (EXCLUDED)				77		9	

B.O.W./ SITE: MISSISSAGI RIVER

STATION ID: 14-0012-003-02

SAMPLE POINT: AT DEAN LAKE ROAD BRIDGE

STATION TYPE: RIVER FLOW GAUGE FED 02CC008

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: MISSISSAGI RIVER

8110

LAT: 46 14 40.05 LONG: 083 09 21.10

U T M: 17 0333800.0 5123250.0 4

REGION: 05

DISTANCE: 16.415

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK	CDUT	CDUT	CRUT	CUUT	CUUT	FWFLOW	
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	CADMIUM UNF.TOT. MG/L AS CD	CADMIUM UNF.TOT. UG/G DRY AS CD	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	COPPER UNF.TOT. UG/G DRY AS CU	STREAM FLOW M3 /S
820413	1820	60800	0.30	0103			0.0002<					95.200
820414	0930	60801	0.30	0103			0.0002<					87.000
820419	0930	60802	0.30	0103			0.0002<					167.000
	1430	60803	0.30	0103			0.0002<					167.000
820421	1000	60804	0.30	0103					0.005			203.000
820422	1700	82111	0.30				0.20<				120.00	
820426	1330	60805	0.30	0103			0.0002<					273.000
820428	0930	60806	0.30	0103			0.0002<					411.000
	1330	60807	0.30	0103			0.0002<					411.000
820429	1000	60808	0.30	0103			0.0002<					445.000
	1500	60809	0.30	0103			0.0002<					445.000
820430	0930	60810	0.30	0103			0.0002<					412.000
	1430	60811	0.30	0103			0.0002<					412.000
820503	1430	60812	0.30	0103			0.0030					448.000
820505	1400	60813	0.30	0103			0.0040					359.000
820510	1330	60814	0.30	0103								244.000
820512	1430	60815	0.30	0103			0.0003					308.000
820517	1330	60816	0.30	0103						0.002		196.000
820519	1330	60817	0.30	0103			0.0002<					143.000
820524	1400	60818	0.30	0103						0.003		172.000
820526	1400	60819	0.30	0103			0.0050					125.000
820531	1330	60820	0.30	0103						0.006		92.200
820602	1330	60821	0.30	0103			0.0002<					102.000
820607	1330	60822	0.30	0103						0.004		88.100
820609	1330	60823	0.30	0103			0.0006					97.300
820616	1330	60824	0.30	0103	21.9					0.002		59.600
820621	1400	60825	0.30	0103	22.5							55.000
820628		60826	0.30	0103	20.6					0.001<		53.000
820720	1400	60827	0.30	0103	23.8		0.0002<					46.000
820727	1400	60828	0.30	0103	24.2					0.004		45.500
820815	1630	60829	0.30	0103		25.29	0.0050					47.100
820830	1400	60830	0.30	0103						0.003		46.700
820915	1430	60831	0.30	0103	26.4		0.0002<					74.600
820929	1400	60832	0.30	0103	26.0					0.003		59.900
821014	1430	60833	0.30	0103		22.37	0.0002<					122.000
821028	1445	60834	0.30	0103	21.2					0.002		237.000
821215	1015	60835	0.30	0103		17.13	0.0004					157.000

B.O.W./ SITE: MISSISSAGI RIVER  
 SAMPLE POINT: AT DEAN LAKE ROAD BRIDGE  
 STATION TYPE: RIVER FLOW GAUGE FED 02CC008

STATION ID: 14-0012-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02  
 002  
 8110

LAT: 46 14 40.05 LONG: 083 09 21.10 U T M: 17 0333800.0 5123250.0 4 REGION: 05 DISTANCE: 16.415

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ALKTI ALK	CDUT	CDUT	CRUT	CUUT	CUUT	FWFLOW
SAMPLE DATE YYMMDD	DATE HOUR LMT	SAMPLE DEPTH NUMBER M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	CADMIUM UNF.TOT. MG/L AS CD	CADMIUM UNF.TOT. UG/G DRY AS CD	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	COPPER UNF.TOT. UG/G DRY AS CU	STREAM FLOW M3 /S

	MAXIMUM	0.30		26.4	25.29	0.0050		0.005	0.006	120.00	448.000
	ARITH MEAN	0.30		23.3	21.60	0.0026		0.005	0.003	120.00	191.839
	GEOM MEAN			23.2	21.32						145.289
	MINIMUM	0.30		20.6	17.13	0.0003		0.005	0.002	120.00	45.500
	STD DEV (GEOM *)			2.1	4.13						139.762
# SAMP IN STATISTICS		37		8	3	7		1	9	1	36
% SAMP (EXCLUDED)						69			10		

*=INTERIM	TEST-NAME:	HGUT MERCURY UNF.TOT. UG/L AS HG	HGUT MERCURY UNF.TOT. UG/G DRY AS HG	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N	NNO3FR NO3-N FIL.REAC MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PBUT LEAD UNF.TOT. UG/G DRY AS CD	PH	PP04FR PO4 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P
SAMPLE DATE YYMMDD	DATE HOUR LMT	SAMPLE NUMBER									

820413	1820	60800	0.04<				0.003<				0.009
820414	0930	60801	0.05<				0.003<				0.009
820419	0930	60802	0.03<				0.003<				0.017
	1430	60803	0.03<				0.004				0.018
820421	1000	60804	0.05<				0.003<				
820422	1700	82111		0.08				18.00			

820426	1330	60805	0.06<				0.003<				0.020
820428	0930	60806	0.04<				0.003<				0.030
	1330	60807	0.04<				0.003<				0.033
820429	1000	60808	0.05<				0.003<				0.025
	1500	60809	0.05<				0.003<				0.023
820430	0930	60810	0.05<				0.003<				0.020
	1430	60811	0.05<				0.003<				0.025
820503	1430	60812	0.05<				0.003<				0.027
820505	1400	60813	0.04<				0.003<				0.018
820510	1330	60814		0.135	0.0040	0.130			0.0010<T		
820512	1430	60815	0.05<				0.003<				0.012
820517	1330	60816		0.130	0.0020	0.130			0.0030		
820519	1330	60817	0.05<				0.003<				0.008
820524	1400	60818		0.130	0.0080	0.120			0.0010<T		
820526	1400	60819	0.08<				0.003<				0.013
820531	1330	60820		0.105	0.0100	0.095			0.0050		
820602	1330	60821	0.06<				0.003				0.015
820607	1330	60822		0.115	0.0020	0.110					

( C O N T D )

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02  
002  
8110

**DISTANCE: 16.415**

[illegible]

B.O.W./ SITE: MISSISSAGI RIVER

SAMPLE POINT: AT DEAN LAKE ROAD BRIDGE

STATION TYPE: RIVER FLOW GAUGE FED 02CC008

STATION ID: 14-0012-003-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02

002

8110

LAT: 46 14 40.05

LONG: 083 09 21.10

U T M: 17 0333800.0 5123250.0 4

REGION: 05

DISTANCE: 16.415

*=INTERIM TEST-NAME:		P1END1	P1END2	P1HEPE	P1HEPT	P1MIRX	P1OCHL	P1OPDT	P1PCBT	P1PPDD	P1PPDE	
SAMPLE DATE	HOUR	ENDOSULP I	ENDOSULP II	HEPE	HEPACHOR	MIREX	OXCHLANE	OP-DDT	PCB TOTAL	PP-DDD	PP-DDE	
YYMMDD	LMT	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	NG/G DRY	
820422	1700	82111	2<W	4<W	1<W	1<W	5<W	2<W	5<W	20<W	5<W	1<W
MAXIMUM		2	4	1	1	5	2	5	20	5	1	
ARITH MEAN		2<A	4<A	1<A	1<A	5<A	2<A	5<A	20<A	5<A	1<A	
GEOM MEAN												
MINIMUM		2	4	1	1	5	2	5	20	5	1	
STD DEV (GEOM *)												
# SAMP IN STATISTICS		1	1	1	1	1	1	1	1	1	1	
% SAMP (EXCLUDED)												

*=INTERIM TEST-NAME:		P1PPDT	RSP	X2HCB	ZNUT
SAMPLE DATE	HOUR	PP-DDT	RESIDUE	HCB	ZINC
YYMMDD	LMT	NG/G DRY	PARTIC. MG/L	NG/G DRY	UNF.TOT. MG/L AS ZN
820413	1820	60800	3.920		
820414	0930	60801	4.580		
820419	0930	60802	13.300		
	1430	60803	12.200		
820421	1000	60804	8.670		0.001<
820422	1700	82111	5<W	1<W	
820426	1330	60805	31.900		
820428	0930	60806	29.000		
	1330	60807	25.200		
820429	1000	60808	17.400		
	1500	60809	22.500		
820430	0930	60810	16.600		
	1430	60811	15.100		
820503	1430	60812	4.620		
820505	1400	60813	13.200		
820512	1430	60815	9.600		
820519	1330	60817	3.830		
820526	1400	60819	2.270		
820609	1330	60823	1.760		
820621	1400	60825	1.660		
820720	1400	60827	1.010		
820815	1630	60829	1.060		
820915	1430	60831	5.000		

B.O.W./ SITE: MISSISSAGI RIVER  
SAMPLE POINT: AT DEAN LAKE ROAD BRIDGE  
STATION TYPE: RIVER FLOW GAUGE FED 02CC008

STATION ID: 14-0012-003-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02  
002  
8110

LAT: 46 14 40.05 LONG: 083 09 21.10

U T M: 17 0333800.0 5123250.0 4

REGION: 05

DISTANCE: 16.415

*=INTERIM TEST-NAME:		P1PPDT	RSP	X2HCB	ZNUT
					ZINC
SAMPLE			RESIDUE		UNF.TOT.
DATE	HR	SAMPLE	PARTIC.	HCB	MG/L
YYMMDD	LMT	NUMBER	MG/L	NG/G DRY	AS ZN
821014	1430	60833	2.220		
821215	1015	60835	11.500		
MAXIMUM		5	31.900	1	
ARITH MEAN		5<A	10.754	1<A	
GEOM MEAN			6.859		
MINIMUM		5	1.010	1	
STD DEV (GEOM *)			9.197		
# SAMP IN STATISTICS		1	24	1	
% SAMP (EXCLUDED)					

B.O.W./ SITE: MISSISSAGI RIVER

SAMPLE POINT: AT MOUTH

STATION TYPE: RIVER FLOW GAUGE FED.02CC008

STATION ID: 14-0012-004-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02

002

8110

LAT: 46 10 34.86 LONG: 083 00 59.45

U T M: 17 0344350.0 5115400.0 4

REGION: 05

DISTANCE: 0.500

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK	ALUT	ASUT	COND25	CUUT	FEUT	FWFLOW
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM FLOW M3 /S	
820127	31601	0.30	0101	26		0.050	0.001<	71	0.002	0.10	91.500
820227	31623	0.30	0101	22		0.043	0.001<	68	0.002	0.110	95.800
820420 0830	31645	0.30	0101	16.8				59.4			190.000
820518 0830	31673	0.30	0101	13.0				49.1			166.000
820621 0930	31701	0.30	0101	20.1				62.4			55.000
820726 0930	31729	0.30	0101	21.4				65.7			46.200
820826 0930	31762	0.30	0101	25.6				69.2			46.600
820927 0930	31775	0.30	0101	22.3	20.66			65.1			88.000
821028 0830	31810	0.30	0101		19.96			63.1			237.000
821127 0930	31842	0.30	0101		16.86			58.3			187.000
821227 1000	31874	0.30	0101		15.11			55.2			172.000
MAXIMUM		0.30		26	20.66	0.050		71	0.002	0.110	237.000
ARITH MEAN		0.30		21	18.15	0.046		62	0.002	0.10	125.009
GEOM MEAN				20	18.00	0.046		62	0.002	0.10	107.413
MINIMUM		0.30		13.0	15.11	0.043		49.1	0.002	0.10	46.200
STD DEV (GEOM *)				4	2.61	0.005		7	0.000	0.01	67.159
# SAMP IN STATISTICS		11		8	4	2		11	2	2	11
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF GROSS ALPHA CT FILTERED PCI/L	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL PCI/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED PCI/L	GBCF GROSS BETA CT FILTERED MBQ/L	GBCP GROSS BETA CT UNDISSOL PCI/L	GBCP GROSS BETA CT UNDISSOL MBQ/L
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C								
820127	31601			2		1<		1		1<	
820227	31623				130		40<		30		40<
820420 0830	31645				97		40<		35		40<
820518 0830	31673	8	10.0		110		40<		39		40<
820621 0930	31701	8	17.0		78		40<		42		40<
820726 0930	31729	8	23.0		97		40<		53		40<
820826 0930	31762	8	17.0		290		40<		50		40<
820927 0930	31775	8	15.0		160		40<		40		40<
821028 0830	31810	8	0.8								
821127 0930	31842	8	3.0		40<		40<		40<		40<
821227 1000	31874	2			160		40<		40		40<

( C O N T D )



B.O.W./ SITE: MISSISSAGI RIVER

SAMPLE POINT: AT MOUTH

STATION TYPE: RIVER FLOW GAUGE FED.02CC008

STATION ID: 14-0012-004-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: MISSISSAGI RIVER

STORET CODE: 02

002

8110

LAT: 46 10 34.86 LONG: 083 00 59.45

U T M: 17 0344350.0 5115400.0 4

REGION: 05

DISTANCE: 0.500

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF GROSS	GACF GROSS	GACP GROSS	GACP GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS	
SAMPLE DATE	HR	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	ALPHA CT FILTERED PCI/L	ALPHA CT FILTERED MBQ/L	ALPHA CT UNDISSOL PCI/L	ALPHA CT UNDISSOL MBQ/L	BETA CT FILTERED PCI/L	BETA CT FILTERED MBQ/L	BETA CT UNDISSOL PCI/L	BETA CT UNDISSOL MBQ/L
		MAXIMUM		23.0	2	290			1	53		
		ARITH MEAN		12.3	2	140			1	41		
		GEOM MEAN		8.2								
		MINIMUM		0.8	2	78			1	30		
		STD DEV (GEOM *)		8.1								
		# SAMP IN STATISTICS		7	1	8			1	8		
		% SAMP (EXCLUDED)				11				11		

*=INTERIM TEST-NAME:		MNUT	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNO3FR NO3-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.	PH	PP04FR P04 FIL.REAC	
SAMPLE DATE	HR	SAMPLE NUMBER	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	AS PB	PH	AS P
820127		31601	0.010	0.001<	0.008	0.105	0.001	0.105	0.22	0.003<	7.28	0.004
820227		31623	0.010	0.001<	0.004	0.135	0.006	0.130	0.21	0.003	7.34	0.033
820420	0830	31645			0.108	0.260			0.24		7.066	
820518	0830	31673			0.024	0.175			0.30		7.480	
820621	0930	31701			0.004<T	0.085			0.20		6.610	
820726	0930	31729			0.046	0.065			0.21		7.42	
820826	0930	31762			0.026	0.060			0.32		7.740	
820927	0930	31775			0.010	0.080			0.43		7.626	
821028	0830	31810			0.008	0.060			0.300		7.415	
821127	0930	31842			0.002<T	0.100			0.220		7.602	
821227	1000	31874			0.016	0.120			0.260		7.614	
		MAXIMUM	0.010		0.108	0.260	0.006	0.130	0.43	0.003	7.740	0.033
		ARITH MEAN	0.010		0.023<A	0.113	0.003	0.117	0.26	0.003	7.38	0.018
		GEOM MEAN	0.010		0.012<A	0.102	0.002	0.117	0.26		7.37	0.011
		MINIMUM	0.010		0.002	0.060	0.001	0.105	0.20	0.003	6.610	0.004
		STD DEV (GEOM *)	0.000		0.031<A	0.060	0.004	0.018	0.07		0.32	0.021
		# SAMP IN STATISTICS	2		11	11	2	2	11	1	11	2
		% SAMP (EXCLUDED)								50		

STATION ID: 14-0012-004-02

STORET CODE: 02  
002  
8110

**DISTANCE: 0.500**

[illegible]

B.O.W./ SITE: BLIND RIVER  
 SAMPLE POINT: AT HIGHWAY 17 BRIDGE BLIND RIVER  
 STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: BLIND RIVER

STATION ID: 14-0014-003-02

STORET CODE: 02  
 002  
 8090

LAT: 45 17 10.97 LONG: 082 55 30.64 U T M: 17 0349020.0 5016350.0 4 REGION: 05 DISTANCE: 0.322

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN	CLIDUR CHLORIDE UNF.REAC	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF.TOT. MG/L AS CU	FEUT IRON UNF.TOT. MG/L AS FE	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALK POINT MG/L AS CAC03	CL MG/L AS CL	CM MG/L AS CM	CU MG/L AS CU	FE MG/L AS FE	COND.	TEMP
820127		31602	0101	15		1.00	51	0.250	0.22		
820227		31624	0101	13.0		1.30	54.0	0.020	0.26		
820420	0930	31647	0101	7.6			41.2				
820518	0930	31674	0101	10.4			46.0			8	12.0
820621	1000	30702	0101	22.2			73.3			8	17.0
820726	1000	31730	0101	26.4			72.9			8	25.0
820826	1000	31763	0101							8	16.0
820927	1000	31776	0101	12.0	10.06		48.7			8	15.0
821028	0900	31811	0101	10.0		0.68	40.4		0.175	8	0.8
821127	1000	31843	0101	12.9		1.02	43.2		0.135	8	3.0
821227	1000	31875	0101	9.3		0.80	41.7		0.125	2	1.0
MAXIMUM		0.30		26.4	10.06	1.30	73.3	0.250	0.26		25.0
ARITH MEAN		0.30		14	10.06	0.96	51	0.135	0.18		11.2
GEOM MEAN				13		0.94	50	0.071	0.18		6.4
MINIMUM		0.30		7.6	10.06	0.68	40.4	0.020	0.125		0.8
STD DEV (GEOM *)				6		0.24	12	0.163	0.06		8.8
# SAMP IN STATISTICS		11		10	1	5	10	2	5		8
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		GACF	GACP	GBCF	GBCP	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL
SAMPLE DATE YYMMDD	HOUR LMT	GROSS ALPHA CT FILTERED MBQ/L	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	AS N	AS N	AS N	AS PB	PH	PHENOL
820127		31602				0.104		0.37	0.003<	7.13	1
820227		31624				0.214		0.73	0.004	6.94	1.0<T
820420	0930	31647	76	40<	57	40<	0.098	0.295	0.30	6.809	
820518	0930	31674	54	40<	56	40<	0.024	0.120	0.30	7.180	
820621	1000	30702	70	40<	40	40<	0.022	0.260	0.29	7.580	
820726	1000	31730	170	40<	190	40<	0.036	0.010<T	0.30	7.48	
820826	1000	31763	170<	40<	60<	40<		0.050	0.27	7.550	
820927	1000	31776	40	40<	60	40<	0.010	0.075	0.43	7.170	
821028	0900	31811	60	40<	50	40<	0.002<T			7.154	
821127	1000	31843	550	40<	60	40<	0.002<W			7.275	
821227	1000	31875					0.008<T			7.166	

STATION ID: 14-0014-003-02

STORET CODE: 02  
002  
8090

* = INTERIM		TEST-NAME:	GACF	GACP	GBCF	GBCP	NNHTFR NH3-N	NNOTFR	NNTKUR K'DAHL N	PBUT	PH	PHNOL
			GROSS	GROSS	GROSS	GROSS	TOTAL	N02+N03N	TOTAL	LEAD		PHENOLS
SAMPLE DATE	HR	SAMPLE NUMBER	ALPHA CT FILTERED	ALPHA CT UNDISSOL	BETA CT FILTERED	BETA CT UNDISSOL	FIL.REAC MG/L	FIL.REAC AS N	FIL.TOT. MG/L	UNF.TOT. MG/L		UNF-REAC UG/L
YYMMDD	LMT		MBQ/L	MBQ/L	MBQ/L	MBQ/L		AS N	AS N	AS PB	PH	PHENO

MAXIMUM	550	190	0.214	0.295	0.73	0.004	7.580	1
ARITH MEAN	146	73	0.052<A	0.135<A	0.37	0.004	7.22	1 <A
GEOM MEAN			0.021<A	0.084<A	0.35		7.22	1 <A
MINIMUM	40	40	0.002	0.010	0.27	0.004	6.809	1
STD DEV (GEOM *)			0.068<A	0.117<A	0.15		0.24	0 <A
# SAMP IN STATISTICS	7	7	10	6	8	1	11	2
% SAMP (EXCLUDED)	12	12				50		

*INTERIM		TEST-NAME:	PP04FR	PPUT	RA226F	RSP	SSO4UR	TURB	UU238	ZNUT
SAMPLE			PO4	PHOSPHOR			SULPHATE			ZINC
DATE	HOUR		FIL.REAC	UNF.TOT.	RADIUM	RESIDUE	UNF.REAC		URANIUM	UNF.TOT.
YYMMDD	LMT	SAMPLE NUMBER	MG/L AS P	MG/L AS P	226 FIL. MBQ/L	PARTIC. MG/L	MG/L AS SO4	TURB'ITY FTU	238 UG/L	MG/L AS ZN
820127		31602	0.0040	0.016		1.6		1.53		0.010
820227		31624	0.0500	0.078		1.2		1.55		0.010
820420	0930	31647		0.010	40<		7.8	1.95	3<	
820518	0930	31674		0.026	40<		7.7	1.96	3<	
820621	1000	30702		0.037	40<		8.5	1.28	3<	
820726	1000	31730		0.014	40<		6.4	1.02	3<	
820826	1000	31763			40<		6.6		3<	
820927	1000	31776		0.023	40<		8.4	1.64	3<	
821028	0900	31811	0.0080	0.029	40<	2.190		1.11	3<	
821127	1000	31843	0.0140	0.022	40<	1.150		0.88	10	
821227	1000	31875	0.0020<T	0.014		0.970		0.70		

MAXIMUM	0.0500	0.078	2.190	8.5	1.96	10	0.010
ARITH MEAN	0.0156<A	0.027	1.4	7.6	1.36	10	0.010
GEOM MEAN	0.0085<A	0.023	1.4	7.5	1.30		0.010
MINIMUM	0.0020	0.010	0.970	6.4	0.70	10	0.010
STD DEV (GEOM *)	0.0198<A	0.020	0.5	0.9	0.43		0.000
# SAMP IN STATISTICS	5	10	5	6	10	1	2
% SAMP (EXCLUDED)						87	



B.O.W./ SITE: SERPENT RIVER

SAMPLE POINT: AT OLD HWY.NO.17 E.OF HWYS.108&amp;17 57 2

STATION TYPE: RIVER FLOW GAUGE FED 02CD001

STATION ID: 14-0019-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVERSTORET CODE: 02  
002  
8040

LAT: 46 12 40.09 LONG: 082 30 43.92

U T M: 17 0383350.0 5118400.0 4

REGION: 05

DISTANCE: 8.207

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF GROSS ALPHA CT FILTERED PCI/L	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL PCI/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED PCI/L	GBCF GROSS BETA CT FILTERED MBQ/L	GBCP GROSS BETA CT UNDISSOL PCI/L	GBCP GROSS BETA CT UNDISSOL MBQ/L
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C							
MAXIMUM				25.0	8	610	1	41	6	280	
ARITH MEAN				11.6	8	382	1	40	6	218	
GEOM MEAN				6.9		357				212	
MINIMUM				0.9	8	200	1	40	6	120	
STD DEV (GEOM *)				8.8		147				50	
# SAMP IN STATISTICS				8	1	9	1	2	1	9	
% SAMP (EXCLUDED)								77			

*INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RA226F RADIUM 226 FIL. PCI/L	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	NICKEL UNF.TOT. MG/L AS NI					PHENOLS UNF-REAC UG/L PHENOL				
820127		31603		0.410	0.74	0.003<	6.91	1 <T	0.001 <T	0.005	1	
820227		31625		0.398	0.71	0.003<	6.63	1 <T	0.006	0.017		
820420	0900	31646	0.002<	0.400	1.300	0.50	0.003<	6.576	2.0	0.0005<W	0.008	
820518	1100	31676	0.002<	0.520	2.500	1.04	0.003<	6.46	1.2	0.0005<W	0.011	
820621	1130	31704	0.002	0.490	2.800	0.73	0.003<	6.610	0.8	0.0005<W	0.020	
820726	1200	31733	0.002	0.362	2.850	0.60	0.004	6.72	1.0	0.0005<W	0.007	
820826	1200	31766	0.002	0.210	2.750	0.51	0.003<	6.910	0.6<T	0.0005<W	0.004	
820927	1200	31779	0.001	0.214	1.500	0.68	0.004	6.660		0.0005<W	0.011	
821028	1100	31814	0.002	0.038	1.350	0.600	0.004	6.524	0.4<T	0.0010<T	0.003<T	
821127	1200	31846	0.002	0.352	2.350	0.700	0.004	6.701	0.2<W	0.0050<W	0.004	
821227	1000	31878	0.002	0.470	2.100	0.810	0.004	6.697	1.2	0.0005<T	0.005	
MAXIMUM			0.002	0.520	2.850	1.04	0.004	6.910	2.0	0.006	0.020	1
ARITH MEAN			0.002	0.351	2.167	0.69	0.004	6.67	1 <A	0.001 <A	0.009<A	1
GEOM MEAN				0.299	2.075	0.68		6.67	1 <A	0.001 <A	0.007<A	
MINIMUM			0.001	0.038	1.300	0.50	0.004	6.46	0.2	0.0005	0.003	1
STD DEV (GEOM *)				0.144	0.634	0.15		0.14	0 <A	0.002 <A	0.006<A	
# SAMP IN STATISTICS			7	11	9	11	5	11	10	11	11	1
% SAMP (EXCLUDED)			22				54					

B.O.W./ SITE: SERPENT RIVER  
 SAMPLE POINT: AT OLD HWY.NO.17 E.OF HWYS.108&17 57 2  
 STATION TYPE: RIVER FLOW GAUGE FED 02CD001

STATION ID: 14-0019-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 12 40.09 LONG: 082 30 43.92 U T M: 17 0383350.0 5118400.0 4 REGION: 05 DISTANCE: 8.207

*=INTERIM TEST-NAME:		RA226F	RSP	SS04UR	TURB	UUUT	UU238	ZNUT
				SULPHATE		URANIUM		ZINC
SAMPLE DATE	HHMM	RADIUM	RESIDUE	UNF.REAC	TURB'ITY	UNF.TOT.	URANIUM	UNF.TOT.
YYMMDD	LMT	226 FIL.	PARTIC.	MG/L	FTU	MG/L	238	MG/L
	NUMBER	MBQ/L	MG/L	AS SO4		AS U	UG/L	AS ZN
820127		31603	0.800		0.78		3<	0.017
820227		31625	0.100<W		0.57		6	0.012
820420	0900	31646	40<	0.745	36.6	1.74	0.01 <W	3
820518	1100	31676	60	0.435<T	62.5	1.15	0.002	3
820621	1130	31704	94	1.510	71.5	1.36		3<
820726	1200	31733	100	1.550	72.0	0.86	0.002	3<
820826	1200	31766	60	2.220	74.3	0.73	0.001	4
820927	1200	31779	40<	3.260	42.4	1.27	0.001	3
821028	1100	31814	50	1.300	49.18	1.09	0.003	8
821127	1200	31846	60	1.520	52.54	0.31		7
821227	1000	31878		1.310	49.35	0.80	0.002	
MAXIMUM		100	3.260	74.3	1.74	0.01	8	0.020
ARITH MEAN		69	1.341<A	56.7	0.97	0.00 <A	5	0.011
GEOM MEAN			1.012<A	55.2	0.88	0.00 <A		0.010
MINIMUM		50	0.100	36.6	0.31	0.001	3	0.005
STD DEV (GEOM *)			0.870<A	13.8	0.40	0.00 <A		0.005
# SAMP IN STATISTICS		7	11	9	11	7	7	11
% SAMP (EXCLUDED)		22					30	

B.O.W./ SITE: DEPOT LAKE OUTLET

SAMPLE POINT: AT LAKE DEPOT 52 1

STATION TYPE: RIVER FLOW GAUGE MOE 02CD101

STATION ID: 14-0019-002-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

LAT: 46 20 07.52 LONG: 082 32 22.78

U T M: 17 0381500.0 5132250.0 4

REGION: 05

DISTANCE: 46.509

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	CLIDUR	COND25	CUUT	FWSTRC	FWTEMP	GACF	
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CACO3	INFLECTN POINT MG/L AS CACO3	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	STREAM COND.	WATER TEMP DEG.C	GROSS ALPHA CT FILTERED PCI/L
820128		31605	0.30	0101	15		14.50	200	0.004			2
820228		31627	0.30	0101	13		12.50	176	0.002			
820421	1030	31649	0.30	0101	11.1		14.00	190.0				
820519	1000	31677	0.30	0101	7.3		11.00	154.0		8	20.0	
820622	0900	31705	0.30	0101	8.7		12.40	160.0		8	18.0	
820727	0900	31734	0.30	0101	9.1		14.70	182.0		8	25.0	
820827	0900	31767	0.30	0101	12.1		15.40	193.0		8	17.0	
820928	0900	31780	0.30	0101	11.1	8.97	19.50	230.0		8	14.0	
821029	0800	31815	0.30	0101		9.05	12.20	179.0		8	0.8	
821128	0900	31847	0.30	0101		7.93	12.00	179.0		8	4.0	
821227	1000	31879	0.30	0101		7.64	11.60	156.0		2	1.0	
		MAXIMUM	0.30		15	9.05	19.50	230.0	0.004		25.0	2
		ARITH MEAN	0.30		11	8.40	13.62	182	0.003		12.5	2
		GEOM MEAN			11	8.37	13.44	181	0.003		7.2	
		MINIMUM	0.30		7.3	7.64	11.00	154.0	0.002		0.8	2
		STD DEV (GEOM *)			3	0.72	2.41	22	0.001		9.3	
		# SAMP IN STATISTICS	11		8	4	11	11	2		8	1
		% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP	NNHTFR	NNOTFR	NN02FR
SAMPLE DATE	YMMDD LMT	GROSS ALPHA CT FILTERED MBQ/L	GROSS ALPHA CT UNDISSOL PCI/L	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED PCI/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL PCI/L	GROSS BETA CT UNDISSOL MBQ/L	NH3-N TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N
820128		31605		1<		3		1<	0.060	0.290	0.014
820228		31627		40<		100		40<	0.040	0.325	0.007
820421	1030	31649		40<		83		40<	0.018	1.600	
820519	1000	31677		40<		120		40<	0.112	0.210	
820622	0900	31705		43		40		40<	0.194	0.160	
820727	0900	31734		40<		81		40<	0.058	0.205	
820827	0900	31767		40<		100		40<	0.044	0.220	
820928	0900	31780		40<		110		40<	0.210	0.480	
821029	0800	31815		40<		100		40<	0.006	0.445	
821128	0900	31847		40<		110		40<	0.002<W	0.485	
821227	1000	31879							0.002<T	0.390	

( C O N T D )



MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

*INTERIM		TEST-NAME:	GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP	NNHTR	NNOTFR	NNO2FR
			GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	NH3-N		
SAMPLE			ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	BETA CT	TOTAL	NO2+NO3N	NO2-N
DATE	HR	SAMPLE	FILTERED	UNDISSOL	UNDISSOL	FILTERED	FILTERED	UNDISSOL	UNDISSOL	FIL.REAC	FIL.REAC	FIL.REAC
YYMMDD	LMT	NUMBER	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	MG/L	MG/L	MG/L
										AS N	AS N	AS N
MAXIMUM			520		43	3	120			0.210	1.600	0.014
ARITH MEAN			195		43	3	94			0.068<A	0.437	0.010
GEOM MEAN			131				90			0.029<A	0.349	0.010
MINIMUM			23		43	3	40			0.002	0.160	0.007
STD DEV (GEOM *)			164				24			0.074<A	0.403	0.005
# SAMP IN STATISTICS			9		1	1	9			11	11	2
% SAMP (EXCLUDED)					88							

[illegible]

B.O.W./ SITE: DEPOT LAKE OUTLET

STATION ID: 14-0019-002-02

SAMPLE POINT: AT LAKE DEPOT 52 1

STATION TYPE: RIVER FLOW GAUGE MOE 02CD101

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 20 07.52

LONG: 082 32 22.78

U T M: 17 0381500.0 5132250.0 4

REGION: 05

DISTANCE: 46.509

*INTERIM TEST-NAME:		SS04UR	TURB	UUUT	UU238	ZNUT
		SULPHATE		URANIUM		ZINC
SAMPLE		UNF.REAC		UNF.TOT.		UNF.TOT.
DATE	HOUR	MG/L	TURB'ITY	MG/L	238	MG/L
YYMMDD	LMT	AS S04	FTU	AS U	UG/L	AS ZN
820128		31605	0.39		3<	0.010
820228		31627	0.63		3<	0.003
820421	1030	31649 48.5	0.63		3	
820519	1000	31677 37.5	1.67		3<	
820622	0900	31705 40.5	1.26		3<	
820727	0900	31734 48.6	0.63		3<	
820827	0900	31767 46.3	0.48		5	
820928	0900	31780 59.4	0.70		3	
821029	0800	31815 42.65	0.93		6	
821128	0900	31847 46.31	0.81		9	
821227	1000	31879 39.47	0.60	0.002		
MAXIMUM		59.4	1.67	0.002	9	0.010
ARITH MEAN		45.5	0.79	0.002	5	0.006
GEOM MEAN		45.1	0.73			0.005
MINIMUM		37.5	0.39	0.002	3	0.003
STD DEV (GEOM *)		6.6	0.37			0.005
# SAMP IN STATISTICS		9	11	1	5	2
% SAMP (EXCLUDED)					50	

B.O.W./ SITE: PECORS LAKE OUTLET  
 SAMPLE POINT: AT PECORS LAKE 38 1  
 STATION TYPE: RIVER FLOW GAUGE FED 02CD004

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STATION ID: 14-0019-003-02

STORET CODE: 02  
 002  
 8040

LAT: 46 22 26.74 LONG: 082 26 16.91 U T M: 17 0389400.0 5136400.0 4 REGION: 05 DISTANCE: 47.796

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN	COND25 CONDUCT. 25C	CUUT COPPER UNF.TOT.	FEUT IRON UNF.TOT.	FWSTRC	FWTEMP	GACF GROSS ALPHA CT FILTERED MBQ/L
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH NUMBER M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	POINT MG/L AS CAC03	UMHO/CM AT 25 C	MG/L AS CU	MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	
820424	1730	31667	0101	3.0		34.3	0.003	0.215			140
820521	1600	31698	0101	2.7		34.6		0.230	8	18.0	100
820624	1400	31726	0101	6.1		242.0	0.009	0.105	8	18.0	150
820729	1530	31761	0101	7.1		249.0	0.003	0.070	8	25.0	230
820829	1530	31793	0101	4.8		249.0	0.003	0.100	8	17.0	260
820930	1530	31807	0101	8.4	6.00	214.0	0.003	0.040<T	8	13.0	330
MAXIMUM		0.30		8.4	6.00	249.0	0.009	0.230		25.0	330
ARITH MEAN		0.30		5.3	6.00	170.5	0.004	0.127<A		18.2	202
GEOM MEAN				4.9		125.0	0.004	0.106<A		17.8	186
MINIMUM		0.30		2.7	6.00	34.3	0.003	0.040		13.0	100
STD DEV (GEOM *)				2.3		106.2	0.003	0.078<A		4.3	87
# SAMP IN STATISTICS		6		6	1	6	5	6		5	6
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PPUT	
SAMPLE DATE YYMMDD	HOUR LMT	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHOSPHOR UNF.TOT. MG/L AS P	
820424	1730	31667	40<	83	40<	0.002<	0.088	0.090	0.28	0.003<	5.707	0.001<T
820521	1600	31698	40<	130	40<		0.048	0.120	0.20		6.040	0.028
820624	1400	31726	40<	92	40<	0.003	0.530	1.800	0.83	0.004	6.900	0.018
820729	1530	31761	40<	220	40<	0.003	0.460	1.750	0.70	0.005	7.06	0.008
820829	1530	31793	50	290	60	0.002	0.420	1.500	0.64	0.003<	6.540	0.012
820930	1530	31807	70	170	50	0.002	0.108	0.210	0.43	0.004	7.066	0.003<T
MAXIMUM		70	290	60	0.003	0.530	1.800	0.83	0.005	7.066	0.028	
ARITH MEAN		60	164	55	0.002	0.276	0.912	0.51	0.004	6.55	0.012<A	
GEOM MEAN			149			0.190	0.470	0.46		6.53	0.007<A	
MINIMUM		50	83	50	0.002	0.048	0.090	0.20	0.004	5.707	0.001	
STD DEV (GEOM *)			80			0.217	0.852	0.25		0.57	0.010<A	
# SAMP IN STATISTICS		2	6	2	4	6	6	6	3	6	6	
% SAMP (EXCLUDED)		66		66	20				40			

B.O.W./ SITE: PECORS LAKE OUTLET

SAMPLE POINT: AT PECORS LAKE 38 1

STATION TYPE: RIVER FLOW GAUGE FED 02CD004

STATION ID: 14-0019-003-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

LAT: 46 22 26.74 LONG: 082 26 16.91

U T M: 17 0389400.0 5136400.0 4

REGION: 05

DISTANCE: 47.796

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
		RADIUM	SULPHATE		URANIUM		ZINC	
SAMPLE		226 FIL.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HR	MBQ/L	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820424	1730	31667	40<	9.4	3.50	0.001<	3<	0.028
820521	1600	31698	40<	9.8	3.90	0.01 <W	3<	
820624	1400	31726	120	80.0	0.58		3<	0.011
820729	1530	31761	130	77.0	0.69		3<	0.008
820829	1530	31793	90	77.0	0.78	0.002	3<	0.006
820930	1530	31807	100	63.6	0.44	0.002	3<	0.005
MAXIMUM		130	80.0	3.90	0.01			0.028
ARITH MEAN		110	52.8	1.65	0.00 <A			0.012
GEOM MEAN			37.5	1.11				0.009
MINIMUM		90	9.4	0.44	0.002			0.005
STD DEV (GEOM *)			33.9	1.60				0.009
# SAMP IN STATISTICS		4	6	6	3			5
% SAMP (EXCLUDED)		33			25			

B.O.W./ SITE: PECORS LAKE INLET  
 SAMPLE POINT: AT PECORS LAKE 37 1  
 STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STATION ID: 14-0019-004-02

STORET CODE: 02  
 002  
 8040

LAT: 46 23 36.85 LONG: 082 29 54.14 U T M: 17 0384800.0 5138650.0 4 REGION: 05 DISTANCE: 54.716

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN	COND25 CONDUCT. 25C	CUUT COPPER UNF.TOT.	FEUT IRON UNF.TOT.	FWSTRC	FWTEMP	GACF GROSS ALPHA CT FILTERED
SAMPLE DATE	HOUR LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALK POINT MG/L AS CAC03	UMHO/CM AT 25 C	MG/L AS CU	MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MBQ/L
820424	1600	31665	0101	1.9		36.1	0.001	0.035			140
820521	1700	31699	0101	2.4		33.1	0.002	0.220	8	19.0	100
820624	1500	31727	0101	7.7		223.0	0.007	0.095	8	19.0	280
820729	1500	31760	0101	6.9		240.0	0.007	0.040	8	25.0	320
820829	1500	31792	0101	7.7		245.0	0.003	0.045	8	17.0	320
820930	1500	31806	0101	7.3	4.46	188.0	0.004	0.755	8	14.0	360
MAXIMUM		0.30		7.7	4.46	245.0	0.007	0.755		25.0	360
ARITH MEAN		0.30		5.6	4.46	160.9	0.004	0.198		18.8	253
GEOM MEAN				4.9		119.7	0.003	0.100		18.5	229
MINIMUM		0.30		1.9	4.46	33.1	0.001	0.035		14.0	100
STD DEV (GEOM *)				2.7		99.8	0.003	0.282		4.0	107
# SAMP IN STATISTICS		6		6	1	6	6	6		5	6
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.	PH	PPUT PHOSPHOR UNF.TOT.
SAMPLE DATE	HOUR LMT	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB	PH	MG/L AS P
820424	1600	31665	40<	120	40<	0.002<	0.052	0.215	0.18	0.003<	4.836
820521	1700	31699	40<	130	40<	0.003	0.092	0.090	0.23	0.003<	6.09
820624	1500	31727	61	200	49	0.002	0.230	0.520	0.48	0.003<	6.990
820729	1500	31760	40<	280	40<	0.003	0.310	1.200	0.48	0.003<	7.15
820829	1500	31792	40<	240	40<	0.001	0.250	0.600	0.48	0.003<	7.090
820930	1500	31806	60	200	80	0.002	0.096	0.180	0.13	0.003<	6.901
MAXIMUM		61	280	80	9.003	0.310	1.200	0.48		7.15	0.020
ARITH MEAN		60	195	64	0.002	0.171	0.467	0.33		6.51	0.010<A
GEOM MEAN			186			0.142	0.331	0.29		6.45	0.005<A
MINIMUM		60	120	49	0.001	0.052	0.090	0.13		4.836	0.001
STD DEV (GEOM *)			62			0.105	0.411	0.17		0.91	0.008<A
# SAMP IN STATISTICS		2	6	2	5	6	6	6		6	6
% SAMP (EXCLUDED)		66		66	16						

B.O.W./ SITE: PECORS LAKE INLET  
SAMPLE POINT: AT PECORS LAKE 37 1  
STATION TYPE: RIVER

STATION ID: 14-0019-004-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 23 36.85 LONG: 082 29 54.14

U T M: 17 0384800.0 5138650.0 4

REGION: 05

DISTANCE: 54.716

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
		RADIUM	SULPHATE		URANIUM		ZINC	
SAMPLE		226 FIL.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR		MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS SO4	FTU	AS U	UG/L	AS ZN	
820424	1600	31665	40<	10.7	0.90	0.001<	3<	0.037
820521	1700	31699	40<	9.6	4.20	0.01 <W	3<	0.025
820624	1500	31727	130	65.5	0.86		3<	0.009
820729	1500	31760	140	73.00	0.48	0.003	3<	0.005
820829	1500	31792	120	77.7	0.77	0.002	3<	0.005
820930	1500	31806	60	51.2	7.80	0.001	3<	0.006
MAXIMUM		140	77.7	7.80	0.01			0.037
ARITH MEAN		112	47.9	2.50	0.00 <A			0.014
GEOM MEAN			35.4	1.45				0.010
MINIMUM		60	9.6	0.48	0.001			0.005
STD DEV (GEOM *)			30.6	2.94				0.013
# SAMP IN STATISTICS		4	6	6	4			6
% SAMP (EXCLUDED)		33			20			

STATION ID: 14-0019-006-09

STORET CODE: 02  
002  
8040

**DISTANCE: 70.005**

[illegible]

B.O.W./ SITE: BUCKLES CREEK

SAMPLE POINT: AT HWY.NO 108 SOUTH OF ELLIOT LAKE 40 1

STATION TYPE: OUTFLOW FLOW GAUGE MOE 02CD102

STATION ID: 14-0019-007-09

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 22 25.61 LONG: 082 35 50.27

U T M: 17 0377150.0 5136600.0 4

REGION: 05

DISTANCE: 73.062

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALTKI	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
				ALK	INFLECTN	ALUMINUM	ARSENIC	CONDUCT.	COPPER	IRON	
				TOTAL	POINT	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	UNF.TOT.	
				MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	
				AS CAC03	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS FE	STREAM
											COND.
SAMPLE DATE	YMMDD	SAMPLE HOUR	LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE					
820128				31607	0.30	0101					
820228				31629	0.30	0101					
820421	1100			31650	0.30	0101					
820519	1100			31678	0.30	0101					8
820622	0930			31706	0.30	0101					8
820727	0930			31736	0.30	0101					8
820827	0930			31769	0.30	0101					8
820928	0930			31782	0.30	0101					8
821029	0830			31817	0.30	0101					8
821128	0930			31849	0.30	0101					8
821227	1000			31881	0.30	0101					2
MAXIMUM				0.30							
ARITH MEAN				0.30							
GEOM MEAN											
MINIMUM				0.30							
STD DEV (GEOM *)											
# SAMP IN STATISTICS				11							
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	GACF GROSS	GACF GROSS	GACP GROSS	GACP GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS	MNUT MANGANSE
			ALPHA CT	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	BETA CT	UNF.TOT.
			FILTERED	FILTERED	UNDISSOL	UNDISSOL	FILTERED	FILTERED	UNDISSOL	UNDISSOL	MG/L
			PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	AS MN
820128			22		4		12		3		0.390
820228				590		40<		530		63	0.370
820421	1100			220		2		211		40<	
820519	1100			890		86		560		81	
820622	0930			720		73		560		53	
820727	0930			680		92		490		78	
820827	0930			1200		140		950		70	
820928	0930			1000		250		790		180	
821029	0830			1300		90		400		40	
821128	0930			1100		240		260		120	
821227	1000										



B.O.W./ SITE: BUCKLES CREEK

SAMPLE POINT: AT HWY.NO 108 SOUTH OF ELLIOT LAKE 40 1

STATION TYPE: OUTFLOW FLOW GAUGE MOE 02CD102

STATION ID: 14-0019-007-09

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

LAT: 46 22 25.61 LONG: 082 35 50.27

U T M: 17 0377150.0 5136600.0 4

REGION: 05

DISTANCE: 73.062

*=INTERIM TEST-NAME:		FWTEMP	GACF GROSS ALPHA CT	GACF GROSS ALPHA CT	GACP GROSS ALPHA CT	GACP GROSS ALPHA CT	GBCF GROSS BETA CT	GBCF GROSS BETA CT	GBCP GROSS BETA CT	GBCP GROSS BETA CT	MNUT MANGANESE UNF.TOT.
SAMPLE DATE	HOUR LMT	WATER TEMP DEG.C	FILTERED PCI/L	FILTERED MBQ/L	UNDISSOL PCI/L	UNDISSOL MBQ/L	FILTERED PCI/L	FILTERED MBQ/L	UNDISSOL PCI/L	UNDISSOL MBQ/L	MG/L AS MN
		MAXIMUM	24.0	22	1300	4	250	12	950	3	0.390
		ARITH MEAN	11.5	22	856	4	127	12	528	3	0.380
		GEOM MEAN	6.8		772				480		0.380
		MINIMUM	0.9	22	220	4	42	12	211	3	0.370
		STD DEV (GEOM *)	8.8		339				234		0.014
		# SAMP IN STATISTICS	8	1	9	1	8	1	9	1	2
		% SAMP (EXCLUDED)					11			11	

*=INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNO3FR NO3-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PP04FR P04 FIL.REAC	PPUT PHOSPHOR UNF.TOT.
SAMPLE DATE	HOUR LMT	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS-PB	PH	FIL.REAC MG/L AS P	MG/L AS P
820128		31607	0.003	0.240	3.750	2.0000	1.750	4.17	0.003<	7.08	0.001
820228		31629	0.005	2.050	4.350	1.480	2.870	4.38	0.007	6.18	0.001
820421	1100	31650		0.004<T	3.150			0.35		6.783	0.018
820519	1100	31678		1.120	2.100			3.50		5.230	0.017
820622	0930	31706		2.050	3.900			4.63		6.690	0.043
820727	0930	31736		0.690	3.800			1.55		4.81	0.040
820827	0930	31769		0.790	3.850			1.22		5.990	0.012
820928	0930	31782		2.100	4.400			3.10		5.083	0.090
821029	0830	31817		1.350	5.000			1.710		5.177	0.014
821128	0930	31849		1.090	4.300			1.400		5.235	0.016
821227	1000	31881		1.770	1.550			2.150		6.701	0.012
		MAXIMUM	0.005	2.100	5.000	2.0000	2.870	4.63	0.007	7.08	0.001
		ARITH MEAN	0.004	1.205<A	3.650	1.740	2.310	2.56	0.007	5.91	0.001
		GEOM MEAN	0.004	0.676<A	3.479	1.720	2.241	2.08		5.85	0.001
		MINIMUM	0.003	0.004	1.550	1.480	1.750	0.35	0.007	4.81	0.001
		STD DEV (GEOM *)	0.001	0.735<A	1.024	0.368	0.792	1.46		0.82	0.000
		# SAMP IN STATISTICS	2	11	11	2	2	11	1	11	2
		% SAMP (EXCLUDED)						50			11

B.O.W./ SITE: BUCKLES CREEK

STATION ID: 14-0019-007-09

SAMPLE POINT: AT HWY.NO 108 SOUTH OF ELLIOT LAKE 40 1

STATION TYPE: OUTFLOW FLOW GAUGE MOE 02CD102

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 22 25.61 LONG: 082 35 50.27

U T M: 17 0377150.0 5136600.0 4

REGION: 05

DISTANCE: 73.062

*=INTERIM TEST-NAME:		RA226F	RA226F	RSF	RSP	SS/OUR SULPHATE	TURB	UUUT URANIUM	UU238	ZNUT ZINC
SAMPLE DATE	HR	RADIUM 226 FIL.	RADIUM 226 FIL.	RESIDUE FILTERED	RESIDUE PARTIC.	UNF.REAC MG/L	TURB'ITY FTU	UNF.TOT. MG/L	URANIUM 238 UG/L	UNF.TOT. MG/L
YYMMDD	LMT	NUMBER	PCI/L	MBQ/L	MG/L	AS S04		AS U		AS ZN
820128		31607	1		978	8.3	531.0		11	0.011
820228		31629		40<	984.0	6.500	667.0		6	0.010
820421	1100	31650		58			305.0		3<	
820519	1100	31678		180			690.0		6	
820622	0930	31706		140			834.0		10	
820727	0930	31736		160			451.0		7	
820827	0930	31769		140			783.0		13	
820928	0930	31782		120			588.0		12	
821029	0830	31817		100			509.80		20	
821128	0930	31849		90			430.70		18	
821227	1000	31881					366.80	0.005		
MAXIMUM		1		180	984.0	8.3	834.0	0.005	20	0.011
ARITH MEAN		1		123	981	7.4	559.7	0.005	11	0.010
GEOM MEAN					981	7.3	535.6			0.010
MINIMUM		1		58	978	6.500	305.0	0.005	6	0.010
STD DEV (GEOM *)					4	1.3	169.8			0.001
# SAMP IN STATISTICS		1		8	2	2	11	1	9	2
% SAMP (EXCLUDED)				11					10	

B.O.W./ SITE: SHERIFF CREEK

SAMPLE POINT: AT HIGHWAY NO 108 ELLIOT LAKE 45 1

STATION TYPE: RIVER

STATION ID: 14-0019-009-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

LAT: 46 24 09.12 LONG: 082 39 49.80

U T M: 17 0372100.0 5139900.0 4

REGION: 05

DISTANCE: 78.051

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALTKI	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
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SAMPLE DATE	YMMDD	HR	LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM COND.
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820128				31610	0.30	0101	6		0.780	0.001<	339	0.006	3.65	
820228				31632	0.30	0101	7.0		0.450	0.001<	360.0	0.003	2.750	
820422	1330			31653	0.30	0101	0.7<T				503.0			
820519	1500			31682	0.30	0101	0.3<T				282.0			9
820622	1200			31710	0.30	0101	2.0				346.0			8
820727	1200			31740	0.30	0101	0.1<W				387.0			8
820827	1200			31773	0.30	0101	0.0				404.0			8
820928	1200			31786	0.30	0101	0.1<T	-4.26<T			285.0			8
821029	1100			31821	0.30	0101		-0.61<T			266.0			8
821128	1200			31853	0.30	0101		-0.83<T			260.0			8
821228	1000			31885	0.30	0101		-0.78<T			209.0			2

MAXIMUM	0.30		7.0	0	0.780	503.0	0.006	3.65	
ARITH MEAN	0.30		2 <A	-1.62<A	0.615	331	0.004	3.20	
GEOM MEAN					0.592	322	0.004	3.17	
MINIMUM	0.30		0.0	-4.26	0.450	209.0	0.003	2.750	
STD DEV (GEOM *)					0.233	82	0.002	0.64	
# SAMP IN STATISTICS	11		8	4	2	11	2	2	
% SAMP (EXCLUDED)									

*INTERIM TEST-NAME:		FWTEMP	GACF	GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP	MNUT
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SAMPLE DATE	YMMDD	HR	LMT	SAMPLE NUMBER	WATER TEMP DEG.C	ALPHA CT FILTERED PCI/L	ALPHA CT FILTERED MBQ/L	ALPHA CT UNDISSOL PCI/L	ALPHA CT UNDISSOL MBQ/L	BETA CT FILTERED PCI/L	BETA CT FILTERED MBQ/L	BETA CT UNDISSOL PCI/L	BETA CT UNDISSOL MBQ/L	MANGANSE UNF.TOT. MG/L AS MN
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820128				31610		23		5		9		5		0.950
820228				31632			690		270		310		290	0.930
820422	1330			31653			2700		190		330		230	
820519	1500			31682	20.0		1400		51		370		76	
820622	1200			31710	16.0		1300		200		1200		28	
820727	1200			31740	23.0		5400		40		900		58	
820827	1200			31773	16.0									
820928	1200			31786	14.0		3700		160		910		140	
821029	1100			31821	10.0		1600		200		370		250	
821128	1200			31853	4.0									
821228	1000			31885	1.0		330		110		200		80	

B.O.W./ SITE: SHERIFF CREEK

SAMPLE POINT: AT HIGHWAY NO 108 ELLIOT LAKE 45 1

STATION TYPE: RIVER

STATION ID: 14-0019-009-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 24 09.12 LONG: 082 39 49.80

U T M: 17 0372100.0 5139900.0 4

REGION: 05

DISTANCE: 78.051

*INTERIM TEST-NAME:		FWTEMP	GACF GROSS ALPHA CT FILTERED PCI/L	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL PCI/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED PCI/L	GBCF GROSS BETA CT FILTERED MBQ/L	GBCP GROSS BETA CT UNDISSOL PCI/L	GBCP GROSS BETA CT UNDISSOL MBQ/L	MNUT MANGANSE UNF.TOT. MG/L AS MN	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C									
		MAXIMUM	23.0	23	5400	5	270	9	1200	5	290	0.950
		ARITH MEAN	13.0	23	2140	5	153	9	574	5	144	0.940
		GEOM MEAN	9.5		1564		128		479		111	0.940
		MINIMUM	1.0	23	330	5	40	9	200	5	28	0.930
		STD DEV (GEOM *)	7.6		1703		80		371		100	0.014
		# SAMP IN STATISTICS	8	1	8	1	8	1	8	1	8	2
		% SAMP (EXCLUDED)										

*INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N	NNO3FR NO3-N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	NICKEL UNF.TOT. MG/L AS NI									
820128		31610	0.016	1.220	0.235	0.0300	0.205	1.70	0.003<	6.32	0.0020	0.260
820228		31632	0.014	1.240	0.265	0.0330	0.230	1.62	0.003<	6.49	0.0040	0.085
820422	1330	31653			0.005<T			0.83		3.567		0.022
820519	1500	31682		0.358	0.185					4.650		0.030
820622	1200	31710		0.158	0.115		0.35			4.300		0.033
820727	1200	31740		0.040	0.005<T		0.21			4.03		0.007
820827	1200	31773		0.002<T	0.005<W		0.15			4.060		0.006
820928	1200	31786		0.100	0.050		0.33			4.198		0.010
821029	1100	31821		0.650	0.135		1.700			4.970		0.262
821128	1200	31853		0.530	0.210		0.730			4.834		0.011
821228	1000	31885		0.340	0.225		0.510			4.869		0.012
		MAXIMUM	0.016	1.240	0.265	0.0330	0.230	1.700		6.49	0.0040	0.262
		ARITH MEAN	0.015	0.464<A	0.130<A	0.0315	0.217	0.81		4.75	0.0030	0.067
		GEOM MEAN	0.015	0.195<A	0.062<A	0.0315	0.217	0.59		4.68	0.0028	0.028
		MINIMUM	0.014	0.002	0.005	0.0300	0.205	0.15		3.567	0.0020	0.006
		STD DEV (GEOM *)	0.001	0.454<A	0.101<A	0.0021	0.018	0.63		0.92	0.0014	0.098
		# SAMP IN STATISTICS	2	10	11	2	2	10		11	2	11
		% SAMP (EXCLUDED)										

STATION ID: 14-0019-009-02

STORET CODE: 02  
002  
8040

**DISTANCE: 78.051**

[illegible]

B.O.W./ SITE: ROCHESTER CREEK  
 SAMPLE POINT: NEAR INLET TO QUIRKE LAKE  
 STATION TYPE: RIVER FLOW GAUGE FED 02CD005

STATION ID: 14-0019-010-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKES HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 57.97 LONG: 082 31 24.36

U T M: 17 0383100.0 5150450.0 4

REGION: 05

DISTANCE: 79.660

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALTKI	ALUT	ASUT	COND25	CUUT	FEUT	FVFLOW
SAMPLE DATE	HOUR	SAMPLE	PROJECT	ALK	INFLECTN	ALUMINUM	ARSENIC	CONDUCT.	COPPER	IRON	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	TOTAL	POINT	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	UNF.TOT.	FLOW
			CODE	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	M3
				AS CAC03	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS FE	/S
820130		31618	0101	9		0.045	0.001<	46	0.002	0.18	0.501
820226		31639	0101	8.0		0.029	0.001<	46.0	0.001<	0.180	0.322
820423	1400	31663	0101	6.4				38.9			5.540
820521	1230	31696	0101	5.3				34.1			2.790
820624	1100	31724	0101	5.4				36.8			0.331
820729	1100	31755	0101	3.9				476.0			0.161
820930	1100	31801	0101	7.9	4.01			41.9			3.320
821031	1000	31835	0101		1.69			433.0			3.200
821130	1100	31867	0101		2.33			486.0			2.790
821229	1000	31899	0101		1.61			477.0			3.780
	MAXIMUM	0.30		9	4.01	0.045		486.0	0.002	0.180	5.540
	ARITH MEAN	0.30		7	2.41	0.037		212	0.002	0.18	2.273
	GEOM MEAN			6	2.25	0.036		108		0.18	1.310
	MINIMUM	0.30		3.9	1.61	0.029		34.1	0.002	0.18	0.161
	STD DEV (GEOM *)			2	1.11	0.011		221		0.00	1.844
	# SAMP IN STATISTICS	10		7	4	2		10	1	2	10
	% SAMP (EXCLUDED)								50		

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF	GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP
SAMPLE DATE	HOUR	SAMPLE	WATER	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS
YYMMDD	LMT	NUMBER	TEMP	ALPHA CT	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	BETA CT
			DEG.C	FILTERED	FILTERED	UNDISSOL	UNDISSOL	FILTERED	FILTERED	UNDISSOL	UNDISSOL
				PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L
820130		31618		3		1<		2		1<	
820226		31639			720		150		350		78
820423	1400	31663			120		40<		72		40<
820521	1230	31696	8		62		40<		44		40<
820624	1100	31724	8		74		40<		26		40<
820729	1100	31755	8								
820930	1100	31801	8		60		40<		70		40<
821031	1000	31835	8		2000		40<		510		40<
821130	1100	31867	8		340		90		290		90
821229	1000	31899	2		600		160		520		150
	MAXIMUM		25.0	3	2000		160	2	520		150
	ARITH MEAN		15.0	3	497		133	2	235		106
	GEOM MEAN		12.3		236				141		
	MINIMUM		3.0	3	60		90	2	26		78
	STD DEV (GEOM *)		8.0		660				209		
	# SAMP IN STATISTICS		6	1	8		3	1	8		3
	% SAMP (EXCLUDED)						62				

(CONT 62)

B.O.W./ SITE: ROCHESTER CREEK  
 SAMPLE POINT: NEAR INLET TO QUIRKE LAKE  
 STATION TYPE: RIVER FLOW GAUGE FED 02CD005

STATION ID: 14-0019-010-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKES HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 57.97 LONG: 082 31 24.36 U T M: 17 0383100.0 5150450.0 4 REGION: 05 DISTANCE: 79.660

*=INTERIM TEST-NAME:		MNUT	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PP04FR	
SAMPLE DATE	HR	MANGANSE UNF.TOT. MG/L	NICKEL UNF.TOT. MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.TOT. MG/L	LEAD UNF.TOT. MG/L	PH	P04 FIL.REAC MG/L	
YYMMDD	LMT	AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB		AS P	
820130		31618	0.012	0.001<	0.052	0.150	0.0030	0.145	0.64	0.003<	7.19	0.0890
820226		31639	0.008	0.001<	0.088	0.180	0.0060	0.175	0.55	0.003	7.57	0.0240
820423	1400	31663			0.290	0.370			0.38		6.864	
820521	1230	31696			0.450	0.205					7.070	
820624	1100	31724			0.148	0.145			0.40		7.040	
820729	1100	31755			3.550	9.000			4.20		6.75	
820930	1100	31801			0.034	0.055			0.39		6.813	
821031	1000	31835			2.950	7.500			2.950		6.556	
821130	1100	31867			3.500	8.700			4.200		6.764	
821229	1000	31899			3.6	9.250			3.600		6.576	
MAXIMUM		0.012			3.6	9.250	0.0060	0.175	4.200	0.003	7.57	0.0890
ARITH MEAN		0.010			1.5	3.555	0.0045	0.160	1.92	0.003	6.92	0.0565
GEOM MEAN		0.010			0.5	0.785	0.0042	0.159	1.16		6.91	0.0462
MINIMUM		0.008			0.034	0.055	0.0030	0.145	0.38	0.003	6.556	0.0240
STD DEV (GEOM *)		0.003			1.7	4.376	0.0021	0.021	1.76		0.31	0.0460
# SAMP IN STATISTICS		2			10	10	2	2	9	1	10	2
% SAMP (EXCLUDED)									50			

*=INTERIM TEST-NAME:		PPUT PHOSPHOR UNF.TOT. MG/L	RA226F RADIUM 226 FIL. PCI/L	RA226F RADIUM 226 FIL. MBQ/L	RSF RESIDUE FILTERED MG/L	RSP RESIDUE PARTIC. MG/L	SS04UR SULPHATE UNF.REAC MG/L	TURB TURB'ITY FTU	UUUT URANIUM UNF.TOT. MG/L	UU238 URANIUM 238 UG/L	ZNUT ZINC UNF.TOT. MG/L
SAMPLE DATE	HR	AS P					AS S04		AS U		AS ZN
YYMMDD	LMT										
820130		31618	0.095	1<	30.0	0.100<	10.0			3<	0.006
820226		31639	0.028		30	0.1 <W	11.0			4	0.005
820423	1400	31663	0.004		40<		8.2	0.56		3<	
820521	1230	31696	0.003		40<		7.1	0.79		3<	
820624	1100	31724	0.010		40<		6.3	0.84		3<	
820729	1100	31755	0.004				177.0	0.71			
820930	1100	31801	0.004		40<		8.8	0.83		3<	
821031	1000	31835	0.003<T		90		147.90	0.35		33	
821130	1100	31867	0.001<W		80		161.60	0.27		3<	
821229	1000	31899	0.003<T		60		164.70	0.48	0.012	17	
MAXIMUM		0.095			140	30.0	177.0	0.84	0.012	33	0.006
ARITH MEAN		0.015<A			92	30	70.3	0.60	0.012	18	0.005
GEOM MEAN		0.006<A			30	30	27.5	0.56			0.005
MINIMUM		0.001			60	30.0	6.3	0.27	0.012	4	0.005
STD DEV (GEOM *)		0.029<A			0	0	80.0	0.22			0.001
# SAMP IN STATISTICS		10			4	1	10	8	1	3	2
% SAMP (EXCLUDED)					50	50				66	

B.O.W./ SITE: SERPENT RIVER

SAMPLE POINT: NEAR INLET TO QUIRKE LAKE

STATION TYPE: RIVER FLOW GAUGE FED 02CD006

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TRM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

STATION ID: 14-0019-011-02

LAT: 46 30 39.11 LONG: 082 36 32.87

U T M: 17 0376550.0 5151850.0 4

REGION: 05

DISTANCE: 86.098

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALTKI ALK	ALUT	ASUT	COND25	CUUT	FEUT	FWFLOW
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM FLOW M3 /S
820130	31617	0.30	0101	42		0.270	0.001<	1380	0.019	0.08	1.590
820226	31638	0.30	0101	49		0.320	0.001<	1480	0.016	0.09	1.800
820423 1830	31659	0.30	0101	9.0				717.0			7.390
820521 1100	31694	0.30	0101	13.9				1090.0			2.730
820624 0930	31722	0.30	0101	16.7				1090.0			1.860
820729 0930	31753	0.30	0101	13.5				1520.0			0.966
820829 0930	31785	0.30	0101	17.3				1990.0			0.739
820930 0930	31799	0.30	0101	6.8	3.40			1110.0			3.120
821031 0830	31833	0.30	0101		6.37			566.0			5.940
821130 0930	31865	0.30	0101		-0.47<T			500.0			6.500
821229 1000	31897	0.30	0101		9.16			608.0			7.290
MAXIMUM		0.30		49	9.16	0.320		1990.0	0.019	0.09	7.390
ARITH MEAN		0.30		21	4.61<A	0.295		1096	0.017	0.08	3.630
GEOM MEAN				17		0.294		1000	0.017	0.08	2.747
MINIMUM		0.30		6.8	-0.47	0.270		500.0	0.016	0.08	0.739
STD DEV (GEOM *)				16		0.035		472	0.002	0.01	2.613
# SAMP IN STATISTICS		11		8	4	2		11	2	2	11
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF GROSS	GACF GROSS	GACP GROSS	GACP GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	ALPHA CT FILTERED PCI/L	ALPHA CT FILTERED MBQ/L	ALPHA CT UNDISSOL PCI/L	ALPHA CT UNDISSOL MBQ/L	BETA CT FILTERED PCI/L	BETA CT FILTERED MBQ/L	BETA CT UNDISSOL PCI/L	BETA CT UNDISSOL MBQ/L
820130	31617			74		4		55		4	
820226	31638				2100		250		2000		170
820423 1830	31659				830		600		780		220
820521 1100	31694	9	19.0		870		180		1200		130
820624 0930	31722	8	18.0		2900		180		1200		250
820729 0930	31753	8	25.0								
820829 0930	31785	8	18.0		7300		170		2200		580
820930 0930	31799	8	15.0		1500		1300		1300		960
821031 0830	31833	8	8.0		1500		40<		670		40<
821130 0930	31865	8	3.0		580		110		550		90
821229 1000	31897	2			280		1100		370		600



B.O.W./ SITE: SERPENT RIVER  
 SAMPLE POINT: NEAR INLET TO QUIRKE LAKE  
 STATION TYPE: RIVER FLOW GAUGE FED 02CD006

STATION ID: 14-0019-011-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 39.11 LONG: 082 36 32.87 U T M: 17 0376550.0 5151850.0 4 REGION: 05 DISTANCE: 86.098

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF GROSS ALPHA CT FILTERED PCI/L	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL PCI/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED PCI/L	GBCF GROSS BETA CT FILTERED MBQ/L	GBCP GROSS BETA CT UNDISSOL PCI/L	GBCP GROSS BETA CT UNDISSOL MBQ/L	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C								
		MAXIMUM		25.0	74	7300	4	1300	55	2200	4	960
		ARITH MEAN		15.1	74	1984	4	486	55	1141	4	375
		GEOM MEAN		12.8		1315				985		
		MINIMUM		3.0	74	280	4	110	55	370	4	90
		STD DEV (GEOM *)		7.4		2151				631		
		# SAMP IN STATISTICS		7	1	9	1	8	1	9	1	8
		% SAMP (EXCLUDED)						11				11

*=INTERIM TEST-NAME:		MNUT	NIUT	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N	NNO3FR NO3-N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PP04FR P04 FIL.REAC MG/L AS P	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI								
820130		31617	0.130	0.008	27.500	34.500	0.790	33.700	78.00	0.029	8.96	0.140
820226		31638	0.084	0.006	25.500	37.500	0.700	36.800	30.20	0.003<	9.05	0.020
820423	1830	31659			8.950	14.000			10.00		6.890	
820521	1100	31694				23.500			19.30		6.950	
820624	0930	31722			10.000	26.200			15.40		6.910	
820729	0930	31753			16.900	32.500			19.50		7.44	
820829	0930	31785			18.500	42.000			19.20		7.450	
820930	0930	31799			11.400	20.500			13.50		6.775	
821031	0830	31833				3.750					7.203	
821130	0930	31865			3.250	8.000		5.300			5.070	
821229	1000	31897			7.9	10.500		7.900			7.266	
		MAXIMUM	0.130	0.008	27.500	42.000	0.790	36.800	78.00	0.029	9.05	0.140
		ARITH MEAN	0.107	0.007	14.4	23.450	0.745	35.250	21.83	0.029	7.27	0.080
		GEOM MEAN	0.104	0.007	12.1	20.207	0.744	35.216	16.48		7.19	0.053
		MINIMUM	0.084	0.006	3.250	8.000	0.700	33.700	5.300	0.029	5.070	0.020
		STD DEV (GEOM *)	0.033	0.001	8.2	12.139	0.064	2.192	20.98		1.07	0.085
		# SAMP IN STATISTICS	2	2	9	11	2	2	10	1	11	2
		% SAMP (EXCLUDED)								50		

B.O.W./ SITE: SERPENT RIVER

SAMPLE POINT: NEAR INLET TO QUIRKE LAKE

STATION TYPE: RIVER FLOW GAUGE FED 02CD006

STATION ID: 14-0019-011-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVERSTORET CODE: 02  
002  
8040

LAT: 46 30 39.11 LONG: 082 36 32.87

U T M: 17 0376550.0 5151850.0 4

REGION: 05

DISTANCE: 86.098

*=INTERIM TEST-NAME:		PPUT	RA226F	RA226F	RSF	RSP	SS04UR	TURB	UUUT	UU238	ZNUT
		PHOSPHOR					SULPHATE		URANIUM		ZINC
SAMPLE		UNF.TOT.	RADIUM	RADIUM	RESIDUE	RESIDUE	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
DATE	HOURL	MG/L	226 FIL.	226 FIL.	FILTERED	PARTIC.	MG/L	TURB'ITY	MG/L	238	MG/L
YYMMDD	LMT	AS P	PCI/L	MBQ/L	MG/L	MG/L	AS S04	FTU	AS U	UG/L	AS ZN
820130		31617	0.184	3	1003	1.0	460.0			37	0.007
820226		31638	0.035		1077.0	1.500	480.0			31	0.007
820423	1830	31659	0.004	72			256.0	1.72		13	
820521	1100	31694	0.055	67			456.0	1.32		24	
820624	0930	31722	0.006	89			396.0	0.55		47	
820729	0930	31753	0.004	96			668.0	0.65			
820829	0930	31785	0.016	40<			1185.0	0.48		110	
820930	0930	31799	0.007	80			430.8	10.70		21	
821031	0830	31833	0.002<T	120			172.60	0.36		20	
821130	0930	31865	0.009	90			156.20	0.26		6	
821229	1000	31897	0.008	440			209.20	0.90	0.016	3<	
MAXIMUM		0.184	3	440	1077.0	1.500	1185.0	10.70	0.016	110	0.007
ARITH MEAN		0.030<A	3	132	1040	1.2	442.7	1.88	0.016	34	0.007
GEOM MEAN		0.012<A			1039	1.2	373.3	0.89			0.007
MINIMUM		0.002	3	67	1003	1.0	156.20	0.26	0.016	6	0.007
STD DEV (GEOM *)		0.054<A			52	0.4	291.6	3.34			0.000
# SAMP IN STATISTICS		11	1	8	2	2	11	9	1	9	2
% SAMP (EXCLUDED)				11						10	

B.O.W./ SITE: CREEK

SAMPLE POINT: NEAR ROAD TO STANROCK TOWNSITE 32 2

STATION TYPE: INDUSTRIAL PROCESS

STATION ID: 14-0019-012-09

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVERSTORET CODE: 02  
002  
8040

LAT: 46 28 17.81 LONG: 082 33 04.73 U T M: 17 0380900.0 5147400.0 4 REGION: 05 DISTANCE: 86.902

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN POINT	COND25 CONDUCT. 25C UMHO/CM AT 25 C	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED MBQ/L
SAMPLE DATE YYMMDD	HR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	COND25 CONDUCT. 25C UMHO/CM AT 25 C	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED MBQ/L
820422	1550	31655	0.30	0101	20.7	526.0			500	61	130
820520	1000	31684	0.30	0101	0	1810.0	8	19.0	1200	40<	1200
820623	0900	31712	0.30	0101	0.1<T	2740.0	9	22.0			
820929	0900	31788	0.30	0101	0.1<T	1180.0	8	16.0	570	130	750
821030	0800	31822	0.30	0101		1270.0	8	0.9	970	170	630
821129	0900	31854	0.30	0101		873.0	8	5.0	530	170	410
821228	1000	31886	0.30	0101		833.0	2	1.0			
MAXIMUM		0.30			20.7	0		22.0	1200	170	1200
ARITH MEAN		0.30			5 <A	-55.89<A		10.6	754	133	624
GEOM MEAN						1161.0		5.6	706		497
MINIMUM		0.30			0	-69.65		0.9	500	61	130
STD DEV (GEOM *)						746.8		9.5	314		399
# SAMP IN STATISTICS		7			4	4		6	5	4	5
% SAMP (EXCLUDED)										20	

*=INTERIM TEST-NAME:		GBCP	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PH	PPUT PHOSPHOR UNF.TOT.	RA226F RADIUM 226 FIL.	SS04UR SULPHATE UNF.REAC	TURB TURB'ITY FTU	UUUT URANIUM UNF.TOT.
SAMPLE DATE YYMMDD	HR LMT	SAMPLE NUMBER	GROSS BETA CT UNDISSOL MBQ/L	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	PH	MG/L AS P	MBQ/L	MG/L AS S04		MG/L AS U
820422	1550	31655	100	0.328	0.290	4.124	0.025	40<	142.0	41.00	
820520	1000	31684	40<	1.590	0.010<T	1.93	0.028	330	670.0	330.00	
820623	0900	31712		0.316	0.005	6.40	0.310		1770.0	2100.00	
820929	0900	31788	80	1.070	0.020	1.38	0.040	140	491.0	154.00	
821030	0800	31822	130	0.940	0.020	1.150	0.033	260	448.30	97.00	
821129	0900	31854	150	0.560	0.015<T	0.650	0.005	70	284.80	79.00	
821228	1000	31886		0.570	0.005<T	0.750	0.070		286.00	44.00	0.002
MAXIMUM		150	1.590	0.290	6.40	4.124	0.310	330	1770.0	2100.00	0.002
ARITH MEAN		115	0.768	0.052<A	1.83	3.215	0.073	200	584.6	406.43	0.002
GEOM MEAN			0.657	0.017<A	1.27	3.194	0.037		436.5	146.89	
MINIMUM		80	0.316	0.005	0.55	2.850	0.005	70	142.0	41.00	0.002
STD DEV (GEOM *)			0.461	0.105<A	2.07	0.422	0.106		550.0	753.39	
# SAMP IN STATISTICS		4	7	7	7	7	7	4	7	7	1
% SAMP (EXCLUDED)		20						20			

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 157

B.O.W./ SITE: CREEK

STATION ID: 14-0019-012-09

SAMPLE POINT: NEAR ROAD TO STANROCK TOWNSITE 32 2

STATION TYPE: INDUSTRIAL PROCESS

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 28 17.81 LONG: 082 33 04.73

U T M: 17 0380900.0 5147400.0 4

REGION: 05

DISTANCE: 86.902

\*=INTERIM TEST-NAME: UU238

SAMPLE		URANIUM	
DATE	HOUR	SAMPLE	238
YYMMDD	LMT	NUMBER	UG/L
820422	1550	31655	8
820520	1000	31684	3
820929	0900	31788	3<
821030	0800	31822	9
821129	0900	31854	7
MAXIMUM			9
ARITH MEAN			7
GEOM MEAN			
MINIMUM			3
STD DEV (GEOM *)			
# SAMP IN STATISTICS			4
% SAMP (EXCLUDED)			20

STORET CODE: 02  
002  
8040

[illegible]

B.O.W./ SITE: SERPENT RIVER

SAMPLE POINT: AT PANEL MINESIDE ROAD 24 1

STATION TYPE: RIVER

STATION ID: 14-0019-014-02

MAJOR BASIN: GREY LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

LAT: 46 30 11.54

LONG: 082 38 28.89

U T M: 17 0374060.0 5151050.0 4

REGION: 05

DISTANCE: 89.477

*=INTERIM TEST-NAME:		FWTEMP	GACF GROSS	GACF GROSS	GACF GROSS	GACF GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS	MNUT MANGANSE
SAMPLE DATE	HR	WATER TEMP	ALPHA CT FILTERED	ALPHA CT FILTERED	ALPHA CT UNDISSOL	ALPHA CT UNDISSOL	BETA CT FILTERED	BETA CT FILTERED	BETA CT UNDISSOL	BETA CT UNDISSOL	UNF.TOT. MG/L
YYMMDD	LMT	DEG.C	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	AS MN
		MAXIMUM	25.0	14	6900	1	840	19	2400	1	0.016
		ARITH MEAN	14.3	14	2190	1	369	19	1044	1	0.015
		GEOM MEAN	12.1		1539				866		0.015
		MINIMUM	3.0	14	410	1	140	19	390	1	0.014
		STD DEV (GEOM *)	7.2		2112				693		0.001
		# SAMP IN STATISTICS	7	1	8	1	7	1	8	1	2
		% SAMP (EXCLUDED)					12			12	

*=INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N	NNOTFR	NNQ2FR	NNQ3FR	NNTKUR K'DAHL N	PBUT	PH	PP04FR	PPUT	
SAMPLE DATE	HR	NICKEL UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	LEAD UNF.TOT.		PO4 FIL.REAC	PHOSPHOR UNF.TOT.	
YYMMDD	LMT	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB		MG/L AS P	MG/L AS P	
820130		31616	0.003	7.500	12.000	0.2200	11.800	7.80	0.003<	9.52	0.1100	0.125
820226		31637	0.004	15.000	27.500	0.4300	27.100	20.30	0.003<	9.48	0.0040	0.016
820423	1800	31658		3.500	8.250			4.20		6.871		0.003<T
820521	1000	31693		7.700	15.500			8.50		7.450		0.014
820624	0900	31721		8.050	21.500			10.00		7.140		0.013
820729	0900	31752		10.600	26.000			13.00		7.52		0.006
820829	0900	31784		16.200				17.10		6.760		0.009
820930	0900	31798		6.000	21.500			6.20		7.284		0.006
821031	0800	31832		3.550	7.500			3.750		7.133		0.002<T
821130	0900	31864			12.700					7.266		0.002<T
821229	1000	31896			7.250					7.306		0.001<W
		MAXIMUM	0.004	16.200	27.500	0.4300	27.100	20.30		9.52	0.1100	0.125
		ARITH MEAN	0.003	8.678	15.970	0.3250	19.450	10.09		7.61	0.0570	0.018<A
		GEOM MEAN	0.003	7.646	14.270	0.3076	17.882	8.72		7.56	0.0210	0.007<A
		MINIMUM	0.003	3.500	7.250	0.2200	11.800	3.750		6.760	0.0040	0.001
		STD DEV (GEOM *)	0.001	4.517	7.665	0.1485	10.819	5.70		0.96	0.0750	0.036<A
		# SAMP IN STATISTICS	2	9	10	2	2	9		11	2	11
		% SAMP (EXCLUDED)										

B.O.W./ SITE: SERPENT RIVER  
 SAMPLE POINT: AT PANEL MINESIDE ROAD 24 1  
 STATION TYPE: RIVER

STATION ID: 14-0019-014-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 11.54 LONG: 082 38 28.89 U T M: 17 0374060.0 5151050.0 4 REGION: 05 DISTANCE: 89.477

*=INTERIM TEST-NAME:		RA226F	RA226F	RSF	RSP	SS04UR SULPHATE	TURB	UUUT URANIUM	UU238	ZNUT ZINC
SAMPLE DATE	HOUR YYMMDD LMT	RADIUM 226 FIL. PCI/L	RADIUM 226 FIL. MBQ/L	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	UNF.REAC MG/L AS S04	TURB'ITY FTU	UNF.TOT. MG/L AS U	URANIUM 238 UG/L	UNF.TOT. MG/L AS ZN
820130	31616	4		430.0	1.000	174.0			3	0.005
820226	31637		110	766	0.6	334.0			10	0.008
820423 1800	31658		77			148.0	1.86		5	
820521 1000	31693		100			262.0	0.96		12	
820624 0900	31721		110			320.0	0.73		43	
820729 0900	31752		95			458.0	0.35		45	
820829 0900	31784		40<			1037.0	0.67		110	
820930 0900	31798		280			303.9	0.75		20	
821031 0800	31832		150			116.00	0.52		16	
821130 0900	31864					193.10	0.53			
821229 1000	31896					126.60	0.80	0.010		
MAXIMUM		4	280	766	1.000	1037.0	1.86	0.010	110	0.008
ARITH MEAN		4	132	598	0.8	315.7	0.80	0.010	29	0.006
GEOM MEAN				574	0.8	254.9	0.72		17	0.006
MINIMUM		4	77	430.0	0.6	116.00	0.35	0.010	3	0.005
STD DEV (GEOM *)				238	0.3	261.3	0.44		34	0.002
# SAMP IN STATISTICS		1	7	2	2	11	9	1	9	2
% SAMP (EXCLUDED)			12							

B.O.W./ SITE: STOLLERY LAKE

STATION ID: 14-0019-017-09

SAMPLE POINT: STOLLERY LAKE AT DENISON DAM 21 4

STATION TYPE: INDUSTRIAL PROCESS

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 29 08.68 LONG: 082 38 06.36

U T M: 17 0374500.0 5149100.0 4

REGION: 05

DISTANCE: 92.535

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	FWSTRC	FWTEMP	GACF	GACP	GBCF
SAMPLE DATE	HOUR	SAMPLE	PROJECT	ALK	INFLECTN	CONDUCT.		WATER	GROSS	GROSS	GROSS
YYMMDD	LMT	NUMBER	SUB-PROJ	TOTAL	POINT	25C		TEMP	ALPHA CT	ALPHA CT	BETA CT
			CODE	MG/L	MG/L	UMHO/CM	STREAM	DEG.C	FILTERED	UNDISSOL	FILTERED
				AS CAC03	AS CAC03	AT 25 C	COND.		MBQ/L	MBQ/L	MBQ/L
820424	1300	31668	0101	46.9					960	4200	2600
820520	1400	31688	0101	56.3		3360.0	8	12.0	6600	3200	4500
820623	1300	31716	0101	61.1		3550.0	8	18.0	14000	1100	4700
820728	1300	31747	0101	43.2		3590.0	8	25.0	13000	1300	4100
820828	1300	31779	0101	12.1		3420.0	8	17.0	7000	6700	3800
820929	1300	31793	0101	30.5	24.16	3290.0	8	14.0	7700	2100	3400
821030	1200	31827	0101		21.48	3300.0	8	10.0	7800	1500	3200
821129	1300	31859	0101		14.87	3290.0	8	5.0	8100	5400	3700
821228	1000	31891	0101		7.94	400.0	2	1.0	260	4400	370
		MAXIMUM	0.30	61.1	24.16	3590.0		25.0	14000	6700	4700
		ARITH MEAN	0.30	41.7	17.11	3025.0		12.7	7269	3322	3374
		GEOM MEAN		37.0	15.73	2600.6		9.5	4652	2771	2859
		MINIMUM	0.30	12.1	7.94	400.0		1.0	260	1100	370
		STD DEV (GEOM *)		18.0	7.26	1067.0		7.6	4593	1985	1299
		# SAMP IN STATISTICS	9	6	4	8		8	9	9	9
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		GBCP	NNHTFR	NNOTFR	NNTKUR	PH	PPUT	RA226F	SS04UR	TURB	UUUT
SAMPLE DATE	HOUR	SAMPLE	GROSS	NH3-N	NO2+NO3N	K'DAHL N	PHOSPHOR		SULPHATE		URANIUM
YYMMDD	LMT	NUMBER	BETA CT	TOTAL	FIL.REAC	FIL.TOT.	UNF.TOT.	RADIUM	UNF.REAC	TURB'ITY	UNF.TOT.
			UNDISSOL	MG/L	MG/L	MG/L	MG/L	226 FIL.	MG/L	FTU	MG/L
			MBQ/L	AS N	AS N	AS N	AS P	MBQ/L	AS S04		AS U
820424	1300	31668	1600	0.740	1.500	35.00	8.368	0.010	42	1190.0	12.40
820520	1400	31688	1700		14.500	48.00	7.040	0.012	52	1370.0	7.90
820623	1300	31716	1300	44.5	122.000	44.50	7.800	0.018	70	1770.0	3.40
820728	1300	31747	1800	46.000	102.000	44.50	8.35	0.010	97	6.3	0.96
820828	1300	31779	3700			33.50	6.650	0.015	40<	1763.0	3.70
820929	1300	31793	1500	30.000	92.500	34.25	7.375	0.012	460	1228.0	0.45
821030	1200	31827	870	40.500	72.500	44.000	7.499	0.007	870	1208.00	1.13
821129	1300	31859	3000	39.500	90.000	41.000	7.263	0.009	2200	1269.00	4.60
821228	1000	31891	1900	4.050	6.750	4.200	7.088	0.011	1700	120.90	1.90
		MAXIMUM	3700	46.000	122.000	48.00	8.368	0.018	2200	1770.0	12.40
		ARITH MEAN	1930	29.3	62.719	36.55	7.49	0.012	686	1102.8	4.05
		GEOM MEAN	1775	16.2	32.011	31.31	7.47	0.011		578.8	2.59
		MINIMUM	870	0.740	1.500	4.200	6.650	0.007	42	6.3	0.007
		STD DEV (GEOM *)	878	19.1	47.793	13.21	0.59	0.003		630.6	3.89
		# SAMP IN STATISTICS	9	7	8	9	9	9	8	9	1
		% SAMP (EXCLUDED)							11		

(CONTD)



B.O.W./ SITE: STOLLERY LAKE  
SAMPLE POINT: STOLLERY LAKE AT DENISON DAM 21 4  
STATION TYPE: INDUSTRIAL PROCESS

STATION ID: 14-0019-017-09

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 29 08.68 LONG: 082 38 06.36 U T M: 17 0374500.0 5149100.0 4 REGION: 05 DISTANCE: 92.535

\*=INTERIM TEST-NAME: UU238

SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	URANIUM 238 UG/L
----------------	-------------	------------------	------------------------

820424	1300	31668	15
820520	1400	31688	100
820623	1300	31716	260
820728	1300	31747	210
820828	1300	31779	120
820929	1300	31793	130
821030	1200	31827	130
821129	1300	31859	130
821228	1000	31891	3<

MAXIMUM 260

ARITH MEAN 137

GEOM MEAN

MINIMUM 15

STD DEV (GEOM \*)

# SAMP IN STATISTICS 8

% SAMP (EXCLUDED) 11

B.O.W./ SITE: DUNLOP LAKE OUTLET

SAMPLE POINT: AT OUTLET OF DUNLOP LAKE 18 2

STATION TYPE: RIVER FLOW GAUGE FED 02CD002

STATION ID: 14-0019-019-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVERSTORET CODE: 02  
002  
8040

LAT: 46 28 51.78 LONG: 082 38 55.10

U T M: 17 0373450.0 5148600.0 4

REGION: 05

DISTANCE: 93.339

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	ASUT	CAUR	CLIDUR	COND25	CUUT	FEUT
				ALK	INFLECTN	ARSENIC	CALCIUM	CHLORIDE	CONDUCT.	COPPER	IRON
				TOTAL	POINT	UNF.TOT.	UNF.REAC	UNF.REAC	25C	UNF.TOT.	UNF.TOT.
				MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L
				AS CAC03	AS CAC03	AS AS	AS CA	AS CL	AT 25 C	AS CU	AS FE
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE							
820129		31615	0.30	0101	13	0.001<	3.6	0.70	36	0.002	0.02
820227		31636	0.30	0101	11	0.001<	4.2	1.60	47	0.001	0.02
820423	1730	31657	0.30	0101	10.3				39.0		
820520	1200	31686	0.30	0101	6.7				36.0		
820623	1100	31714	0.30	0101	5.9				33.2		
820728	1100	31745	0.30	0101	6.2				35.4		
820828	1100	31777	0.30	0101	7.6				40.2		
820929	1100	31791	0.30	0101	8.0	4.51			41.1		
821030	1000	31825	0.30	0101		4.35			34.6		
821129	1100	31857	0.30	0101		4.26			38.0		
821228	1000	31889	0.30	0101		4.13			35.8		
MAXIMUM		0.30			13	4.51	4.2	1.60	47	0.002	0.02
ARITH MEAN		0.30			9	4.31	3.9	1.15	38	0.001	0.02
GEOM MEAN					8	4.31	3.9	1.06	38	0.001	0.02
MINIMUM		0.30			5.9	4.13	3.6	0.70	33.2	0.001	0.02
STD DEV (GEOM *)					3	0.16	0.4	0.64	4	0.001	0.00
# SAMP IN STATISTICS		11			8	4	2	2	11	2	2
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWFLOW	FWSTRC	FWTEMP	GACF	GACF	GACP	GACP	GBCF	GBCF	GBCP
		STREAM			GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS
		FLOW		WATER	ALPHA CT	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT
		M3	STREAM	TEMP	FILTERED	FILTERED	UNDISSOL	UNDISSOL	FILTERED	FILTERED	UNDISSOL
		/S	COND.	DEG.C	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER									
820129		31615	0.715		5		1<		2		1<
820227		31636	1.090			45		40<		59	
820423	1730	31657	4.420			94		40<		46	
820520	1200	31686	1.220	8	19.0	50		40<		60	
820623	1100	31714	1.170	8	21.0	160		40<		37	
820728	1100	31745	0.688	8	24.0	250		40<		340	
820828	1100	31777	0.181	8	17.0	370		40<		60	
820929	1100	31791	1.540	8	14.0	210		40<		90	
821030	1000	31825	4.130	8	8.0	70		40<		50	
821129	1100	31857	5.110	8	4.0	320		40<		60	
821228	1000	31889	3.710	2							

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

[illegible][illegible]

STATION ID: 14-0019-019-02

STORET CODE: 02  
002  
8040

LAT: 46 28 51.78 LONG: 082 38 55.10 U T M: 17 0373450.0 5148600.0 4 REGION: 05 DISTANCE: 93.339

[illegible]

B.O.W./ SITE: SERPENT RIVER TRIB.  
 SAMPLE POINT: MOOSE LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 27 44.66 LONG: 082 30 59.54

U T M: 17 0383550.0 5146325.0 4

REGION: 05

DISTANCE: 85.293

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWSTRC	FWTEMP	GACF		
SAMPLE DATE	YMMDD LMT	SAMPLE HOUR	NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALK INFLECTN POINT MG/L AS CAC03	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	GROSS ALPHA CT FILTERED MBQ/L
820728	1030	31744	0.30	0101	19.3			3470.0			8	25.0	960
820828	1030	31776	0.30	0101	28.7			4000.0	0.017	0.025<T	8	17.0	1700
820929	1030	31790	0.30	0101	1.5	-1.47<T		3180.0	0.039	2.500	8	14.0	2400
821030	0930	31824	0.30	0101	27.0	23.33		2660.0	0.030	0.150	8	8.0	1800
821129	1030	31856	0.30	0101	27.5	23.76		2000.0	0.046	0.255	8	4.0	1400
821228	1000	31888	0.30	0101	22.6	32.18		1930.0	0.017	4.150	2	1.0	
MAXIMUM		0.30			28.7	32.18		4000.0	0.046	4.150		25.0	2400
ARITH MEAN		0.30			21.1	19.45<A		2873.3	0.030	1.416<A		11.5	1652
GEOM MEAN					15.5			2771.5	0.027	0.397<A		7.6	1581
MINIMUM		0.30			1.5	-1.47		1930.0	0.017	0.025		1.0	960
STD DEV (GEOM *)					10.2			826.7	0.013	1.840<A		8.9	531
# SAMP IN STATISTICS		6			6	4		6	5	5		6	5
% SAMP (EXCLUDED)													

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT		
SAMPLE DATE	YMMDD LMT	SAMPLE HOUR	NUMBER	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	NH3-N TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	K'DAHL N TOTAL FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PHOSPHOR UNF.TOT. MG/L AS P	
820728	1030	31744	40<	430	66			1.660	8.250	1.80		8.58	0.007
820828	1030	31776	40<	220	40<	0.001	0.490	2.450	0.67	0.007	9.440	0.005	
820929	1030	31790	260	40<	190	0.027	0.980	7.500	1.35	0.003<	4.776	0.007	
821030	0930	31824	50	40<	90	0.013	2.600	5.250	2.800	0.005	7.737	0.002<T	
821129	1030	31856	140	60	130	0.013	2.500	4.550	2.900	0.003<	7.796	0.002<T	
821228	1000	31888				0.012	4.75	5.500	4.750	0.003<	7.878	0.004	
MAXIMUM		260	430	190	0.027	4.75	8.250	4.750	0.007	9.440	0.007		
ARITH MEAN		150	237	119	0.013	2.16	5.583	2.38	0.006	7.70	0.004<A		
GEOM MEAN					0.009	1.71	5.206	1.99		7.54	0.004<A		
MINIMUM		50	60	66	0.001	0.490	2.450	0.67	0.005	4.776	0.002		
STD DEV (GEOM *)					0.009	1.51	2.088	1.44		1.57	0.002<A		
# SAMP IN STATISTICS		3	3	4	5	6	6	6	6	2	6	6	
% SAMP (EXCLUDED)		40	40	20						60			

B.O.W./ SITE: SERPENT RIVER TRIB.  
 SAMPLE POINT: MOOSE LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 27 44.66 LONG: 082 30 59.54

U T M: 17 0383550.0 5146325.0 4

REGION: 05

DISTANCE: 85.293

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT
			SULPHATE		URANIUM		ZINC
		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
SAMPLE		226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L
DATE	HR		AS S04	FTU	AS U	UG/L	AS ZN
YYMMDD	LMT	NUMBER	MBQ/L				
820728	1030	31744	40<	1420	1.57	0.012	18
820828	1030	31776	40<	1254.0	0.34	0.001	17
820929	1030	31790	40<	1045.0	12.10	0.024	39
821030	0930	31824	40<	1055.00	0.56	0.019	33
821129	1030	31856	40<	885.50	2.00	0.008	22
821228	1000	31888		904.00	18.00	0.017	
MAXIMUM				1420	18.00	0.024	39
ARITH MEAN				1094	5.76	0.013	26
GEOM MEAN				1078	2.25	0.010	24
MINIMUM				885.50	0.34	0.001	17
STD DEV (GEOM *)				208	7.46	0.008	10
# SAMP IN STATISTICS				6	6	6	5
% SAMP (EXCLUDED)							5

B.O.W./ SITE: QUIRKE TAILINGS CONTROL  
 SAMPLE POINT: POND A OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-022-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 04.16 LONG: 082 41 21.55 U T M: 17 0370375.0 5150900.0 4 REGION: 05 DISTANCE: 91.730

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALTKI ALK INFLECTN	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
SAMPLE DATE	HOUR YMMDD LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALK POINT MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM COND.
820130		31621	0101	13		0.036	0.001<	55	0.002	0.37	
820226		31642	0101	16		0.035	0.001<	57	0.001	0.40	
820423	1230	31662	0101	8.6				45.1	0.004	0.600	
820520	1530	31691	0101	7.9				44.6	0.030	1.605	9
820623	1500	31719	0101	18.6				72.0			8
820728	1500	31749	0101	12.5				51.8	0.007	0.165	8
820828	1500	31781	0101	15.2				62.6	0.009	0.270	8
820929	1530	31795	0101	13.1	10.15			66.3	0.007	0.555	8
821030	1400	31830	0101	10.3	7.31			52.6	0.003	0.885	8
821129	1500	31862	0101	9.2	7.48			52.2	0.005		8
821229	1000	31894	0101	6.2	3.36			61.4	0.002	2.200	2
MAXIMUM		0.30		18.6	10.15	0.036		72.0	0.030	2.200	
ARITH MEAN		0.30		12	7.07	0.035		56	0.007	0.78	
GEOM MEAN				11	6.57	0.035		56	0.004	0.57	
MINIMUM		0.30		6.2	3.36	0.035		44.6	0.001	0.165	
STD DEV (GEOM *)				4	2.80	0.001		9	0.008	0.68	
# SAMP IN STATISTICS		11		11	4	2		11	10	9	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	GACF GROSS ALPHA CT FILTERED PCI/L	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL PCI/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED PCI/L	GBCF GROSS BETA CT FILTERED MBQ/L	GBCP GROSS BETA CT UNDISSOL PCI/L	GBCP GROSS BETA CT UNDISSOL MBQ/L	MNUT MANGANESE UNF.TOT. MG/L AS MN
SAMPLE DATE	HOUR YMMDD LMT	WATER TEMP DEG.C									
820130			1		1<		1		1<		0.132
820226				160		40<		80		40<	0.126
820423	1230			170		40<		57		40<	
820520	1530	15.0		120		51		41		66	
820623	1500	18.0		82		40<		30		40<	
820728	1500	24.0		110		40<		68		40<	
820828	1500	17.0		380		120		80		60	
820929	1530	14.0		180		80		100		40	
821030	1400	8.0		810		80		120		50	
821129	1500	4.0		280		130		70		100	
821229	1000	1.0		40<		50		40<		40<	

B.O.W./ SITE: QUIRKE TAILINGS CONTROL  
 SAMPLE POINT: POND A OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-022-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 04.16 LONG: 082 41 21.55 U T M: 17 0370375.0 5150900.0 4 REGION: 05 DISTANCE: 91.730

*INTERIM TEST-NAME:		FWTEMP	GACF GROSS ALPHA CT FILTERED PCI/L	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL PCI/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED PCI/L	GBCF GROSS BETA CT FILTERED MBQ/L	GBCP GROSS BETA CT UNDISSOL PCI/L	GBCP GROSS BETA CT UNDISSOL MBQ/L	MNUT MANGANSE UNF.TOT. MG/L AS MN
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C								
			MAXIMUM	24.0	1	810	130	1	120	100	0.132
			ARITH MEAN	12.6	1	255	85	1	72	63	0.129
			GEOM MEAN	9.2							0.129
			MINIMUM	1.0	1	82	50	1	30	40	0.126
			STD DEV (GEOM *)	7.7							0.004
			# SAMP IN STATISTICS	8	1	9	6	1	9	5	2
			% SAMP (EXCLUDED)			10	40		10	50	

*INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N	NNO3FR NO3-N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	NICKEL UNF.TOT. MG/L AS NI									
820130		31621	0.001<	0.012	0.320	0.105	0.215	0.37	0.003<	7.39	0.027	0.034
820226		31642	0.001<	0.120	0.190	0.007	0.185	1.72	0.003<	7.50	0.005	0.025
820423	1230	31662	0.002<	0.300	0.490			1.63	0.003<	6.929		0.018
820520	1530	31691	0.009	0.034	0.180			1.20	0.018	7.220		0.102
820623	1500	31719		0.022	0.555			0.60		7.580		0.009
820728	1500	31749	0.002	0.144	0.670			0.19	0.003<	7.38		0.006
820828	1500	31781	0.001<	0.116	0.590			0.25	0.005	7.540		0.013
820929	1530	31795	0.003	0.028	0.275			0.38	0.003<	7.177		0.012
821030	1400	31830	0.001	0.066	0.130			0.275	0.003<	7.148		0.015
821129	1500	31862	0.002	0.038	0.320			0.410	0.004	7.238		0.014
821229	1000	31894	0.005	0.340	0.380			0.650	0.003	6.649		0.027
			MAXIMUM	0.009	0.340	0.670	0.105	0.215	0.018	7.580	0.027	0.102
			ARITH MEAN	0.004	0.111	0.373	0.056	0.200	0.007	7.25	0.016	0.025
			GEOM MEAN		0.067	0.330	0.027	0.199		7.25	0.012	0.018
			MINIMUM	0.001	0.012	0.130	0.007	0.185	0.003	6.649	0.005	0.006
			STD DEV (GEOM *)		0.113	0.181	0.069	0.021		0.28	0.016	0.027
			# SAMP IN STATISTICS	6	11	11	2	2	4	11	2	11
			% SAMP (EXCLUDED)	40					60			



B.O.W./ SITE: QUIRKE TAILINGS CONTROL  
 SAMPLE POINT: POND A OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-022-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 04.16 LONG: 082 41 21.55

U T M: 17 0370375.0 5150900.0 4

REGION: 05

DISTANCE: 91.730

*=INTERIM TEST-NAME:		RA226F	RA226F	RSF	RSP	SS04UR SULPHATE	TURB	UUUT URANIUM	UU238	ZNUT ZINC
SAMPLE DATE	HOUR YYMMDD LMT	RADIUM 226 FIL. PCI/L	RADIUM 226 FIL. MBQ/L	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	UNF.REAC MG/L AS S04	TURB'ITY FTU	UNF.TOT. MG/L AS U	URANIUM 238 UG/L	UNF.TOT. MG/L AS ZN
820130		31621	1<	36	0.2	10.5			3<	0.008
820226		31642	40<	37.0	0.100<W	10.5			3	0.007
820423	1230	31662	40<			8.9	6.70	0.001<	3	0.012
820520	1530	31691	40<			8.2	18.20	0.001<	3<	0.026
820623	1500	31719	40<			8.9	5.10		3<	
820728	1500	31749	40<			8.5	1.86		3<	0.021
820828	1500	31781	40<			8.9	4.00	0.001	3	0.004
820929	1530	31795	50			10.6	8.30	0.001	3<	0.004
821030	1400	31830	80			11.87	6.80	0.001	14	0.010
821129	1500	31862	70			9.27	13.30	0.001<	4	0.011
821229	1000	31894	40<			15.24	12.30	0.001	3<	0.014
MAXIMUM			80	37.0	0.2	15.24	18.20	0.001	14	0.026
ARITH MEAN			67	36	0.1 <A	10.1	8.51	0.001	5	0.012
GEOM MEAN				36	0.1 <A	10.0	7.04			0.010
MINIMUM			50	36	0.100	8.2	1.86	0.001	3	0.004
STD DEV (GEOM *)				1	0.1 <A	2.0	5.17			0.007
# SAMP IN STATISTICS			3	2	2	11	9	4	5	10
% SAMP (EXCLUDED)			70					42	54	

B.O.W./ SITE: PRONTO EFFLUENT

SAMPLE POINT: AT HWY.NO.17 NEAR PRONTO MINE RD.60 1

STATION TYPE: LAKE FLOW GAUGE MOE 02CD100

STATION ID: 14-0019-023-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 12 06.40 LONG: 082 41 52.59

U T M: 17 0369000.0 5117650.0 4

REGION: 05

DISTANCE: 0.805

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALTKI	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
				ALK	INFLECTN	ALUMINUM	ARSENIC	CONDUCT.	COPPER	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	POINT	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	UNF.TOT.	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	COND.
			CODE	AS CAC03	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS FE	
820127		31604	0101	62		0.200	0.001<	1190	0.018	1.55	
820227		31626	0101	60.0		0.160	0.001<	1205.0	0.013	1.350	
820421	1000	31648	0101	15.7				502.0			
820518	1000	31675	0101	23.4				618.0			8
820621	1100	31703	0101	26.5				825.0			8
820726	1100	31731	0101	94.3				683.0			8
820826	1100	31764	0101	86.0				622.0			8
820927	1100	31777	0101	35.0	34.70			681.0			8
821028	1000	31812	0101		22.19			974.0			8
821127	1100	31844	0101		21.87			881.0			8
821227	1000	31876	0101		23.33			398.0			2
MAXIMUM		0.30		94.3	34.70	0.200		1205.0	0.018	1.55	
ARITH MEAN		0.30		50	25.52	0.180		780	0.015	1.45	
GEOM MEAN				42	25.04	0.179		740	0.015	1.45	
MINIMUM		0.30		15.7	21.87	0.160		398.0	0.013	1.350	
STD DEV (GEOM *)				30	6.15	0.028		263	0.004	0.14	
# SAMP IN STATISTICS		11		8	4	2		11	2	2	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	GACF	GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP	MNUT
			GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	MANGANESE
SAMPLE DATE	HOUR	SAMPLE	WATER	ALPHA CT	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	UNF.TOT.
YYMMDD	LMT	NUMBER	TEMP	FILTERED	FILTERED	UNDISSOL	UNDISSOL	FILTERED	FILTERED	UNDISSOL	MG/L
			DEG.C	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	AS MN
820127		31604		71		2		13		6	0.500
820227		31626			2500		110				0.505
820421	1000	31648			320		68		530		420
820518	1000	31675	13.0		670		40<		180		40<
820621	1100	31703	16.0		400<R		40<		330		40<
820726	1100	31731	25.0		3800		40<		160		40<
820826	1100	31764	14.0		1600		40<		460		150
820927	1100	31777	14.0		940		40<		440		40<
821028	1000	31812	0.9		1400		40<		320		40<
821127	1100	31844	3.0		720		40<		460		40<
821227	1000	31876	1.0		120		40<		90		40<
									150		40<

B.O.W./ SITE: PRONTO EFFLUENT  
SAMPLE POINT: AT HWY.NO.17 NEAR PRONTO MINE RD.60 1  
STATION TYPE: LAKE FLOW GAUGE MOE 02CD100

STATION ID: 14-0019-023-01

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 12 06.40 LONG: 082 41 52.59 U T M: 17 0369000.0 5117650.0 4 REGION: 05 DISTANCE: 0.805

*INTERIM TEST-NAME:			FWTEMP	GACF GROSS	GACF GROSS	GACP GROSS	GACP GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS	MNUT MANGANESE
SAMPLE DATE	HOURL LMT	SAMPLE NUMBER	WATER TEMP DEG.C	ALPHA CT FILTERED PCI/L	ALPHA CT FILTERED MBQ/L	ALPHA CT UNDISSOL PCI/L	ALPHA CT UNDISSOL MBQ/L	BETA CT FILTERED PCI/L	BETA CT FILTERED MBQ/L	BETA CT UNDISSOL PCI/L	BETA CT UNDISSOL MBQ/L	UNF.TOT. MG/L AS MN
		MAXIMUM	25.0	71	3800	2	110	13	530	6	420	0.505
		ARITH MEAN	10.9	71	1341	2	89	13	312	6	285	0.502
		GEOM MEAN	6.4						270			0.502
		MINIMUM	0.9	71	120	2	68	13	90	6	150	0.500
		STD DEV (GEOM *)	8.5						158			0.004
		# SAMP IN STATISTICS	8	1	9	1	2	1	10	1	2	2
		% SAMP (EXCLUDED)			10		80				80	

[illegible]

B.O.W./ SITE: PRONTO EFFLUENT

SAMPLE POINT: AT HWY.NO.17 NEAR PRONTO MINE RD.60 1

STATION TYPE: LAKE FLOW GAUGE MOE 02CD100

STATION ID: 14-0019-023-01

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVERSTORET CODE: 02  
002  
8040

LAT: 46 12 06.40 LONG: 082 41 52.59

U T M: 17 0369000.0 5117650.0 4

REGION: 05

DISTANCE: 0.805

*=INTERIM TEST-NAME:		RA226F	RA226F	RSF	RSP	SS04UR	TURB	UUUT	UU238	ZNUT
		RADIUM	RADIUM	RESIDUE	RESIDUE	SULPHATE		URANIUM		ZINC
SAMPLE		226 FIL.	226 FIL.	FILTERED	PARTIC.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
DATE	HR	PCI/L	MBQ/L	MG/L	MG/L	MG/L	TURB*ITY	MG/L	238	MG/L
YYMMDD	LMT					AS S04	FTU	AS U	UG/L	AS ZN
820127		31604	2	768	16.0	513.0			38	0.024
820227		31626	52	963	4.8	548.0			39	0.016
820421	1000	31648	40<			190.0	3.20		5	
820518	1000	31675	42			268.0	2.20		6	
820621	1100	31703	43			388.0	0.83		5	
820726	1100	31731	45			163.0	1.66		59	
820826	1100	31764	40<			118.4	1.28		23	
820927	1100	31777	40<			238.1	0.41		12	
821028	1000	31812	50			456.80	0.74		22	
821127	1100	31844	40			422.00	2.20		10	
821227	1000	31876	40<			120.90	1.90	0.004	3<	
MAXIMUM		2	52	963	16.0	548.0	3.20	0.004	59	0.024
ARITH MEAN		2	45	865	10.4	311.5	1.60	0.004	22	0.020
GEOM MEAN				860	8.8	271.7	1.36			0.020
MINIMUM		2	40	768	4.8	118.4	0.41	0.004	5	0.016
STD DEV (GEOM *)				138	7.9	159.2	0.88			0.006
# SAMP IN STATISTICS		1	6	2	2	11	9	1	10	2
% SAMP (EXCLUDED)			40						9	

B.O.W./ SITE: SERPENT RIVER TRIB  
 SAMPLE POINT: PANEL MINE TREATMENT PLANT INFLOW P13  
 STATION TYPE: RIVER

STATION ID: 14-0019-025-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 34.36 LONG: 082 32 29.90 U T M: 17 0381725.0 5151600.0 4 REGION: 05 DISTANCE: 80.643

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK	COND25	CUUT	FEUT	FWSTRC	FWTEMP	GACF
SAMPLE DATE	HOUR LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	GROSS ALPHA CT FILTERED MBQ/L
820729	1330	31758	0101	3.0		2340.0	0.019	0.685	8	24.0	9300
820829	1330	31790	0101	4.6		2580.0	0.012	0.510	8	17.0	23000
820930	1330	31804	0101	0.6	-3.55<T	2500.0	0.027	2.000	8	15.0	9100
821031	1230	31837	0101	1.7	-2.84<T	2520.0	0.023	2.450	8	8.0	10000
821130	1330	31869	0101	2.7	-1.99<T	2480.0	0.012	1.575	8	3.0	10000
821229	1000	31902	0101	24.7	27.03	754.0	0.011	0.165	2	1.0	1600
MAXIMUM		0.30		24.7	27.03	2580.0	0.027	2.450		24.0	23000
ARITH MEAN		0.30		6.2	4.66<A	2195.7	0.017	1.231		11.3	10500
GEOM MEAN				3.1		2035.5	0.016	0.874		7.3	8233
MINIMUM		0.30		0.6	-3.55	754.0	0.011	0.165		1.0	1600
STD DEV (GEOM *)				9.2		710.7	0.007	0.911		8.9	6919
# SAMP IN STATISTICS		6		6	4	6	6	6		6	6
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PPUT
SAMPLE DATE	HOUR LMT	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHOSPHOR UNF.TOT. MG/L AS P
820729	1330	31758	390	14000	290	0.010	4.900	13.750	4.70	0.021	0.005
820829	1330	31790	370	18000	190	0.006	5.300	15.500	5.90	0.003<	0.012
820930	1330	31804	1100	1900	1100	0.019	4.550	14.250	4.85	0.003<	0.007
821031	1230	31837	420	3100	610	0.012	3.950	14.000	4.050	0.009	0.005
821130	1330	31869	13000	7400	6000	0.012	3.800	14.300	4.100	0.003<	0.003<T
821229	1000	31902	170	1300	130	0.003	0.610	2.850	0.920	0.009	0.020
MAXIMUM		13000	18000	6000	0.019	5.300	15.500	5.90	0.021	7.595	0.020
ARITH MEAN		2575	7617	1387	0.010	3.852	12.442	4.09	0.013	5.66	0.009<A
GEOM MEAN		727	4925	554	0.009	3.204	10.960	3.57		5.54	0.007<A
MINIMUM		170	1300	130	0.003	0.610	2.850	0.920	0.009	4.430	0.003
STD DEV (GEOM *)		5117	6951	2288	0.006	1.686	4.737	1.69		1.29	0.006<A
# SAMP IN STATISTICS		6	6	6	6	6	6	6	3	6	6
% SAMP (EXCLUDED)									50		

B.O.W./ SITE: SERPENT RIVER TRIB

SAMPLE POINT: PANEL MINE TREATMENT PLANT INFLOW P13

STATION TYPE: RIVER

STATION ID: 14-0019-025-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

LAT: 46 30 34.36 LONG: 082 32 29.90

U T M: 17 0381725.0 5151600.0 4

REGION: 05

DISTANCE: 80.643

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
		RADIUM	SULPHATE		URANIUM		ZINC	
SAMPLE		226 FIL.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HR	MBQ/L	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820729	1330	31758	8300	1350	5.20	0.037	28	0.020
820829	1330	31790	6300	1473.0	4.80	0.040	43	0.011
820930	1330	31804	8600	1248.0	12.60	0.120	140	0.058
821031	1230	31837	9300	1250.00	9.70	0.140	130	0.045
821130	1330	31869	7800	1177.00	10.10	0.094	110	0.042
821229	1000	31902	860	297.80	1.40	0.013	3	0.013
MAXIMUM		9300	1473.0	12.60	0.140	140	0.058	
ARITH MEAN		6860	1133	7.30	0.074	76	0.031	
GEOM MEAN		5512	1014	5.92	0.056	44	0.026	
MINIMUM		860	297.80	1.40	0.013	3	0.011	
STD DEV (GEOM *)		3107	422	4.18	0.051	58	0.019	
# SAMP IN STATISTICS		6	6	6	6	6	6	
% SAMP (EXCLUDED)								

B.O.W./ SITE: SERPENT RIVER TRIB  
 SAMPLE POINT: PANEL MINE TREATMENT PLANT OUTLET P14  
 STATION TYPE: INDUSTRIAL PROCESS

STATION ID: 14-0019-026-09

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 27.99 LONG: 082 32 21.51 U T M: 17 0381900.0 5151400.0 4 REGION: 05 DISTANCE: 80.321

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK	COND25	CUUT	FEUT	FWSTRC	FWTEMP	GACF
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	GROSS ALPHA CT FILTERED MBQ/L	
820729 1345	31759	0101	20.1		2310.0	0.024	0.145	8	23.0	1400	
820829 1345	31791	0101	8.7		2480.0	0.017	0.070	8	16.0	2500	
820930 1345	31805	0101	17.3	15.66	2530.0	0.019	0.080	8	13.0	3900	
821031 1245	31838	0101	18.4	13.74	2540.0	0.031	0.035<T	8	8.0	6100	
821130 1345	31870	0101	16.1	12.93	2460.0	0.008	0.055	8	3.0	1600	
821229 1000	31903	0101	21.9	17.15	2510.0	0.025	0.035<T	2	1.0	2800	
MAXIMUM		0.30	21.9	17.15	2540.0	0.031	0.145		23.0	6100	
ARITH MEAN		0.30	17.1	14.87	2471.7	0.021	0.070<A		10.7	3050	
GEOM MEAN			16.4	14.78	2470.4	0.019	0.062<A		7.0	2683	
MINIMUM		0.30	8.7	12.93	2310.0	0.008	0.035		1.0	1400	
STD DEV (GEOM *)			4.6	1.90	84.7	0.008	0.041<A		8.3	1744	
# SAMP IN STATISTICS		6	6	4	6	6	6		6	6	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PPUT
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHOSPHOR UNF.TOT. MG/L AS P
820729 1345	31759	1300	3500	610	0.006	3.200	13.750	3.50	0.022	9.15	0.004
820829 1345	31791	330	4200	270	0.004			3.50	0.012	6.780	0.006
820930 1345	31805	1400	3400	840	0.007	3.950	14.750	4.10	0.003<	7.534	0.001<W
821031 1245	31838	720	4300	550	0.009	3.600	13.750	3.750	0.003<	7.478	0.002<T
821130 1345	31870	1600	1500	990	0.006	3.700	14.600	3.900	0.003<	7.410	0.002<T
821229 1000	31903	1600	1600	860	0.008		14.500		0.003<	7.546	0.015
MAXIMUM		1600	4300	990	0.009	3.950	14.750	4.10	0.022	9.15	0.015
ARITH MEAN		1158	3083	687	0.007	3.612	14.270	3.75	0.017	7.65	0.005<A
GEOM MEAN		1017	2832	634	0.006	3.602	14.263	3.74		7.62	0.003<A
MINIMUM		330	1500	270	0.004	3.200	13.750	3.50	0.012	6.780	0.001
STD DEV (GEOM *)		519	1242	262	0.002	0.312	0.483	0.26		0.79	0.005<A
# SAMP IN STATISTICS		6	6	6	6	4	5	5	2	6	6
% SAMP (EXCLUDED)									66		

B.O.W./ SITE: SERPENT RIVER TRIB

SAMPLE POINT: PANEL MINE TREATMENT PLANT OUTLET P14

STATION TYPE: INDUSTRIAL PROCESS

STATION ID: 14-0019-026-09

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

LAT: 46 30 27.99 LONG: 082 32 21.51

U T M: 17 0381900.0 5151400.0 4

REGION: 05

DISTANCE: 80.321

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820729	1345	31759	55	1650	1.59	0.022	22	0.015
820829	1345	31791	40<	1442.0	1.14	0.024	35	0.004
820930	1345	31805	280	1209.0	1.43	0.039	51	0.004
821031	1245	31838	410	1255.00	0.61	0.086	96	0.003
821130	1345	31870	600	1175.00	0.74	0.053	21	0.004
821229	1000	31903	730	1286.00	0.78	0.060	42	0.007
MAXIMUM		730	1650	1.59	0.086	96	0.015	
ARITH MEAN		415	1336	1.05	0.047	44	0.006	
GEOM MEAN			1327	0.98	0.042	39	0.005	
MINIMUM		55	1175.00	0.61	0.022	21	0.003	
STD DEV (GEOM *)			179	0.40	0.024	28	0.005	
# SAMP IN STATISTICS		5	6	6	6	6	6	
% SAMP (EXCLUDED)		16						



B.O.W./ SITE: ELLIOT LAKE

STATION ID: 14-0019-027-01

SAMPLE POINT: AT ELLIOT LAKE MUNICIPAL PUMPHOUSE 48 1

STATION TYPE: LAKE

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 23 22.09 LONG: 082 39 53.05

U T M: 17 0372000.0 5138450.0 4

REGION: 05

DISTANCE: 76.442

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALTKI	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
				ALK	ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	IRON	
				TOTAL	INFLECTN	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	UNF.TOT.	
				MG/L	POINT	MG/L	MG/L	UMHO/CM	MG/L	MG/L	STREAM
				AS CAC03	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS FE	COND.
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE							
820128		31609	0.30	0101	22			440	0.004	0.22	
820228		31631	0.30	0101	23.5		0.130	525	0.004	0.07	
820422	1300	31652	0.30	0101	3.6		0.060	111.0	0.003	0.070	
820519	1430	31681	0.30	0101	3.2			146.0	0.001	0.135	8
820622	1130	31709	0.30	0101	4.4			114.0	0.005	0.325	8
820727	1130	31739	0.30	0101	5.4			128.0	0.001	0.100	8
820827	1130	31772	0.30	0101	6.1			115.0	0.002	0.015<T	8
820928	1130	31785	0.30	0101	9.7	7.48		146.0			8
821029	1030	31820	0.30	0101	11.9	8.40		142.0	0.003	0.215	8
821128	1130	31852	0.30	0101	7.9	2.87		119.0	0.002	0.105	8
821228	1000	31884	0.30	0101	8.7	7.61		247.0	0.001	0.095	2
MAXIMUM		0.30			23.5	8.40	0.130	525	0.005	0.325	
ARITH MEAN		0.30			10	6.59	0.095	203	0.003	0.13 <A	
GEOM MEAN					8	6.09	0.088	172	0.002	0.10 <A	
MINIMUM		0.30			3.2	2.87	0.060	111.0	0.001	0.015	
STD DEV (GEOM *)					7	2.51	0.049	145	0.001	0.09 <A	
# SAMP IN STATISTICS		11			11	4	2	11	10	10	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	GACF	GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP	MNUT
			GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	MANGANESE
			ALPHA CT	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	BETA CT	UNF.TOT.
			FILTERED	FILTERED	UNDISSOL	UNDISSOL	FILTERED	FILTERED	UNDISSOL	UNDISSOL	MG/L
			PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	AS MN
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	WATER TEMP DEG.C								
820128		31609		5	1		4		1		0.084
820228		31631			130		40<		40<		0.038
820422	1300	31652			95		40<		140		69
820519	1430	31681	15.0		69		40<		120		40<
820622	1130	31709	17.0		210		40<		98		40<
820727	1130	31739	26.0		57		40<		80		40<
820827	1130	31772	15.0		270		40<		140		40<
820928	1130	31785	14.0		280		40<		160		40<
821029	1030	31820	0.9		570		50		80		40<
821128	1130	31852	4.0		600		40<		150		40<
821228	1000	31884			40<		40<		50		40<

B.O.W./ SITE: ELLIOT LAKE

STATION ID: 14-0019-027-01

SAMPLE POINT: AT ELLIOT LAKE MUNICIPAL PUMPHOUSE 48 1

STATION TYPE: LAKE

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 23 22.09 LONG: 082 39 53.05

U T M: 17 0372000.0 5138450.0 4

REGION: 05

DISTANCE: 76.442

*=INTERIM TEST-NAME:		FWTEMP	GACF GROSS	GACF GROSS	GACP GROSS	GACP GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS	MNUT MANGANSE
SAMPLE DATE	YEAR	TEMP DEG.C	ALPHA CT FILTERED	ALPHA CT FILTERED	ALPHA CT UNDISSOL	ALPHA CT UNDISSOL	BETA CT FILTERED	BETA CT FILTERED	BETA CT UNDISSOL	BETA CT UNDISSOL	UNF.TOT. MG/L
YYMMDD	LMT		PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	AS MN
		MAXIMUM	26.0	5	600	1	50	4	160	1	0.084
		ARITH MEAN	13.1	5	253	1	50	4	113	1	0.061
		GEOM MEAN	9.1						107		0.056
		MINIMUM	0.9	5	57	1	50	4	50	1	0.038
		STD DEV (GEOM *)	8.4						36		0.033
		# SAMP IN STATISTICS	7	1	9	1	1	1	10	1	2
		% SAMP (EXCLUDED)			10		90			90	

*=INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PBUT	PH	PP04FR	PPUT
SAMPLE DATE	YEAR	NICKEL UNF.TOT.	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	NO3-N FIL.REAC	TOTAL FIL.TOT.	LEAD UNF.TOT.		PO4 FIL.REAC	PHOSPHOR UNF.TOT.
YYMMDD	LMT	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB		MG/L AS P	MG/L AS P
820128		31609	0.002	0.048	1.100	0.002	1.100	0.28	0.003<	7.10	0.084
820228		31631	0.001	0.012	1.250	0.002	1.250	0.30	0.003<	7.13	0.018
820422	1300	31652	0.002<	0.252	0.560			0.53	0.004	6.235	0.008
820519	1430	31681	0.002	0.322	0.355			0.38	0.003<	6.890	0.015
820622	1130	31709	0.003	0.030	0.195			0.23	0.003	6.630	0.008
820727	1130	31739	0.002	0.186	0.170			0.52	0.003<	6.78	0.013
820827	1130	31772	0.001	0.078	0.115			0.30	0.003<	6.860	0.009
820928	1130	31785		0.038	0.125			0.27		7.051	0.005
821029	1030	31820	0.003	0.050	0.305			0.440	0.003<	7.277	0.005
821128	1130	31852	0.002	0.032	0.205			0.200	0.003<	6.868	0.005
821228	1000	31884	0.002	0.144	0.750			0.400	0.003<	7.092	0.009
		MAXIMUM	0.003	0.322	1.250	0.002	1.250	0.53	0.004	7.277	0.178
		ARITH MEAN	0.002	0.108	0.466	0.002	1.175	0.35	0.003	6.90	0.025
		GEOM MEAN		0.069	0.336	0.002	1.173	0.33		6.90	0.011
		MINIMUM	0.001	0.012	0.115	0.002	1.100	0.200	0.003	6.235	0.005
		STD DEV (GEOM *)		0.104	0.402	0.000	0.106	0.11		0.29	0.051
		# SAMP IN STATISTICS	9	11	11	2	2	11	2	11	11
		% SAMP (EXCLUDED)	10					80			

(CONTD)

B.O.W./ SITE: ELLIOT LAKE  
SAMPLE POINT: AT ELLIOT LAKE MUNICIPAL PUMPHOUSE 48 1  
STATION TYPE: LAKE

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STATION ID: 14-0019-027-01

DISTANCE: 76.442

* = INTERIM		TEST-NAME:	RA226F	RA226F	RESIDUE FILTERED MG/L
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	226 FIL. PCI/L	RADIUM 226 FIL. MBQ/L	
820128		31609	1<	40<	273
820228		31631		40<	300.0
820422	1300	31652		40<	
820519	1430	31681		40<	
820622	1130	31709		40<	
820727	1130	31739		40<	
820827	1130	31772		40<	
820928	1130	31785		50	
821029	1030	31820		40<	
821128	1130	31852		40<	
821228	1000	31884		50	300.0

U T M: 17 0372000.0 5138450.0 4

RSP  
RESIDUE  
PARTIC.  
MG/L

SS04UR  
SULPHATE  
UNF . REAC  
MG/L  
AS S04

TURB  
TURB'ITY  
FTU

UUUT  
URANIUM  
UNF.TOT.  
MG/L  
AS U

UU238  
URANIUM  
238  
UG/L

ZNUT  
ZINC  
UNF.TOT.  
MG/L  
AS ZN

3<	0.008
3<	0.010
3<	0.017
3<	0.009
3<	0.012
3<	0.003
3	0.003
3	
10	0.008
10	0.006
3<	0.008
10	0.017
6	0.008
	0.007
3	0.003
	0.004
4	10
63	

0.008  
0.010  
0.017  
0.009  
0.012  
0.003  
0.003  
  
0.008  
0.006  
0.008  
  
0.017  
0.008  
0.007  
0.003  
0.004  
10

STORET CODE: 02  
002  
8040

DISTANCE: 93.822

[illegible]

B.O.W./ SITE: DUNLOP LAKE  
 SAMPLE POINT: DUNLOP LAKE IN BAY A 18 1  
 STATION TYPE: LAKE

STATION ID: 14-0019-030-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 04.37 LONG: 082 39 21.27

U T M: 17 0372900.0 5149000.0 4

REGION: 05

DISTANCE: 93.822

*INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT
			SULPHATE		URANIUM		ZINC
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN
820603	1335	34550	40<	6.7	0.54	0.01 <W	3<
821101		34565	40<	6.5	0.57	0.001	4
MAXIMUM			6.7	0.57	0.01	4	0.005
ARITH MEAN			6.6	0.55	0.01 <A	4	0.003
GEOM MEAN			6.6	0.55	0.00 <A		0.003
MINIMUM			6.5	0.54	0.001	4	0.002
STD DEV (GEOM *)			0.1	0.02	0.01 <A		0.002
# SAMP IN STATISTICS			2	2	2	1	2
% SAMP (EXCLUDED)						50	

B.O.W./ SITE: QUIRKE LAKE  
 SAMPLE POINT: SOUTH WEST OF STANROCK MINE 25 4  
 STATION TYPE: LAKE

STATION ID: 14-0019-031-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 28 06.32 LONG: 082 34 14.73

U T M: 17 0379400.0 5147075.0 4

REGION: 05

DISTANCE: 85.454

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
				ALK	INFLECTN	CONDUCT.	COPPER	IRON			GROSS
SAMPLE	DATE	DATE	DEPTH	TOTAL	POINT	25C	UNF.TOT.	UNF.TOT.	PH	WATER	ALPHA CT
YYMMDD	HOUR	NUMBER	M	MG/L	MG/L	UMHO/CM	MG/L	MG/L	FIELD	TEMP	FILTERED
	LMT			AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE		DEG.C	MBQ/L
820603	1255	34551	0.30	2.4	1.30	430.0	0.007	0.045	6.32	15.0	870
821101		34566	0.30	7.9	1.32	525.0	0.012	0.020<T	6.36	5.0	1100
	MAXIMUM		0.30	7.9	1.32	525.0	0.012	0.045	6.36	15.0	1100
	ARITH MEAN		0.30	5.1	1.31	477.5	0.009	0.032<A	6.34	10.0	985
	GEOM MEAN			4.4	1.31	475.1	0.009	0.030<A	6.34	8.7	978
	MINIMUM		0.30	2.4	1.30	430.0	0.007	0.020	6.32	5.0	870
	STD DEV (GEOM *)			3.9	0.01	67.2	0.004	0.018<A	0.03	7.1	163
	# SAMP IN STATISTICS		2	2	2	2	2	2	2	2	2
	% SAMP (EXCLUDED)										

*=INTERIM	TEST-NAME:	GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT	
		GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	
SAMPLE	DATE	ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	UNF.TOT.		UNF.TOT.	
YYMMDD	HOUR	UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	
	LMT	MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P	
820603	1255	34551	94	560	120	0.005	0.620	1.450	3.40	0.003<	6.65	0.010
821101		34566	110	580	140	0.006	4.050	9.400	4.20	0.011	6.72	0.002<T
	MAXIMUM		110	580	140	0.006	4.050	9.400	4.20	0.011	6.72	0.010
	ARITH MEAN		102	570	130	0.005	2.335	5.425	3.80	0.011	6.68	0.006<A
	GEOM MEAN		102	570	130	0.005	1.585	3.692	3.78		6.68	0.004<A
	MINIMUM		94	560	120	0.005	0.620	1.450	3.40	0.011	6.65	0.002
	STD DEV (GEOM *)		11	14	14	0.001	2.425	5.621	0.57		0.05	0.006<A
	# SAMP IN STATISTICS		2	2	2	2	2	2	2	1	2	2
	% SAMP (EXCLUDED)									50		

B.O.W./ SITE: QUIRKE LAKE

STATION ID: 14-0019-031-01

SAMPLE POINT: SOUTH WEST OF STANROCK MINE 25 4

STATION TYPE: LAKE

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVERSTORET CODE: 02  
002  
8040

LAT: 46 28 06.32 LONG: 082 34 14.73

U T M: 17 0379400.0 5147075.0 4

REGION: 05

DISTANCE: 85.454

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820603	1255	34551	75	177.0	0.75	0.01	12	0.011
821101		34566	90	168.7	0.42	0.019	16	0.011
MAXIMUM		90	177.0	0.75	0.019	16	0.011	
ARITH MEAN		82	172.8	0.58	0.01	14	0.011	
GEOM MEAN		82	172.8	0.56	0.01	14	0.011	
MINIMUM		75	168.7	0.42	0.01	12	0.011	
STD DEV (GEOM *)		11	5.9	0.23	0.01	3	0.000	
# SAMP IN STATISTICS		2	2	2	2	2	2	
% SAMP (EXCLUDED)								

B.O.W./ SITE: QUIRKE LAKE  
 SAMPLE POINT: NORTH EAST OF CAN MET MINE 25 7  
 STATION TYPE: LAKE

STATION ID: 14-0019-032-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 13.97 LONG: 082 31 44.24 U T M: 17 0382650.0 5149100.0 4 REGION: 05 DISTANCE: 81.109

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN POINT	COND25 25C UMHO/CM AT 25 C	CUUT COPPER UNF.TOT. MG/L AS CU	FEUT IRON UNF.TOT. MG/L AS FE	FWPH PH FIELD	FWTEMP WATER TEMP DEG.C	GACF GROSS ALPHA CT FILTERED MBQ/L
SAMPLE DATE YYMMDD	DATE HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	COND25 25C UMHO/CM AT 25 C	CUUT COPPER UNF.TOT. MG/L AS CU	FEUT IRON UNF.TOT. MG/L AS FE	FWPH PH FIELD	FWTEMP WATER TEMP DEG.C	GACF GROSS ALPHA CT FILTERED MBQ/L
820603	1315	34552	0.30	0101	5.1	421.0	0.007	0.040	6.29	14.0	
821101		34567	0.30	0101	5.0	504.0	0.013	0.020<T	6.36	5.0	970
		MAXIMUM	0.30		5.1	504.0	0.013	0.040	6.36	14.0	970
		ARITH MEAN	0.30		5.0	462.5	0.010	0.030<A	6.32	9.5	970
		GEOM MEAN			5.0	460.6	0.010	0.028<A	6.32	8.4	
		MINIMUM	0.30		5.0	421.0	0.007	0.020	6.29	5.0	970
		STD DEV (GEOM *)			0.1	58.7	0.004	0.014<A	0.05	6.4	
		# SAMP IN STATISTICS	2		2	2	2	2	2	2	1
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PPUT PHOSPHOR UNF.TOT. MG/L AS P	
SAMPLE DATE YYMMDD	DATE HOUR LMT	SAMPLE NUMBER	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PPUT PHOSPHOR UNF.TOT. MG/L AS P
820603	1315	34552				0.005	0.590	1.450	3.25	0.008	6.69	0.004
821101		34567	77	570	75	0.006	3.650	9.400	3.90	0.010	6.66	0.001<W
		MAXIMUM	77	570	75	0.006	3.650	9.400	3.90	0.010	6.69	0.004
		ARITH MEAN	77	570	75	0.005	2.120	5.425	3.57	0.009	6.67	0.002<A
		GEOM MEAN				0.005	1.467	3.692	3.56	0.009	6.67	0.002<A
		MINIMUM	77	570	75	0.005	0.590	1.450	3.25	0.008	6.66	0.001
		STD DEV (GEOM *)				0.001	2.164	5.621	0.46	0.001	0.02	0.002<A
		# SAMP IN STATISTICS	1	1	1	2	2	2	2	2	2	2
		% SAMP (EXCLUDED)										



B.O.W./ SITE: QUIRKE LAKE

STATION ID: 14-0019-032-01

SAMPLE POINT: NORTH EAST OF CAN MET MINE 25 7

STATION TYPE: LAKE

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 29 13.97 LONG: 082 31 44.24

U T M: 17 0382650.0 5149100.0 4

REGION: 05

DISTANCE: 81.109

*INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT
			SULPHATE		URANIUM		ZINC
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN
820603	1315	34552	168.0	0.85	0.01		0.013
821101		34567	164.0	0.38	0.018	9	0.011
MAXIMUM		75	168.0	0.85	0.018	9	0.013
ARITH MEAN		75	166.0	0.61	0.01	9	0.012
GEOM MEAN			166.0	0.57	0.01		0.012
MINIMUM		75	164.0	0.38	0.01	9	0.011
STD DEV (GEOM *)			2.8	0.33	0.01		0.001
# SAMP IN STATISTICS		1	2	2	2	1	2
% SAMP (EXCLUDED)							

B.O.W./ SITE: QUIRKE LAKE  
 SAMPLE POINT: SOUTH EAST CORNER 25 6  
 STATION TYPE: LAKE

STATION ID: 14-0019-033-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 28 20.44 LONG: 082 31 49.77 U T M: 17 0382500.0 5147450.0 4 REGION: 05 DISTANCE: 83.040

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
				ALK	ALK	CONDUCT.	COPPER	IRON			GROSS
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	INFLECTN	25C	UNF.TOT.	UNF.TOT.	PH	WATER	ALPHA CT
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	POINT	UMHO/CM	MG/L	MG/L	FIELD	TEMP	MBQ/L
		M	CODE	AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE		DEG.C	
820603	1325	34553	0101	3.6	1.18	423.0	0.007	0.045	6.16	15.0	400
821101		34568	0101	6.7	1.19	514.0	0.010	0.020<T	6.34	5.0	940
MAXIMUM		0.30		6.7	1.19	514.0	0.010	0.045	6.34	15.0	940
ARITH MEAN		0.30		5.1	1.18	468.5	0.008	0.032<A	6.25	10.0	670
GEOM MEAN				4.9	1.18	466.3	0.008	0.030<A	6.25	8.7	613
MINIMUM		0.30		3.6	1.18	423.0	0.007	0.020	6.16	5.0	400
STD DEV (GEOM *)				2.2	0.01	64.3	0.002	0.018<A	0.13	7.1	382
# SAMP IN STATISTICS		2		2	2	2	2	2	2	2	2
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT
		GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR
SAMPLE DATE	HOUR	ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	UNF.TOT.		UNF.TOT.
YYMMDD	LMT	MBQ/L	MBQ/L	MBQ/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH	MG/L
					AS NI	AS N	AS N	AS N	AS PB		AS P
820603	1325	100	530	150	0.005	0.600	1.450	3.40	0.009	6.68	0.009
821101		180	420	220	0.006	3.700	9.250	3.95	0.011	6.65	0.003<W
MAXIMUM		180	530	220	0.006	3.700	9.250	3.95	0.011	6.68	0.009
ARITH MEAN		140	475	185	0.005	2.150	5.350	3.67	0.010	6.66	0.006<A
GEOM MEAN		134	472	182	0.005	1.490	3.662	3.66	0.010	6.66	0.005<A
MINIMUM		100	420	150	0.005	0.600	1.450	3.40	0.009	6.65	0.003
STD DEV (GEOM *)		57	78	49	0.001	2.192	5.515	0.39	0.001	0.02	0.004<A
# SAMP IN STATISTICS		2	2	2	2	2	2	2	2	2	2
% SAMP (EXCLUDED)											

B.O.W./ SITE: QUIRKE LAKE  
 SAMPLE POINT: SOUTH EAST CORNER 25 6  
 STATION TYPE: LAKE

STATION ID: 14-0019-033-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 28 20.44 LONG: 082 31 49.77

U T M: 17 0382500.0 5147450.0 4

REGION: 05

DISTANCE: 83.040

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT
		RADIUM	SULPHATE		URANIUM		ZINC
SAMPLE		226 FIL.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
DATE	HR	MBQ/L	MG/L	TURB'ITY	MG/L	238	MG/L
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN
820603	1325	34553	90	169.0	0.63	0.01	0.011
821101		34568	50	168.3	0.43	0.020	0.011
MAXIMUM		90	169.0	0.63	0.020	10	0.011
ARITH MEAN		70	168.6	0.53	0.01	10	0.011
GEOM MEAN		67	168.6	0.52	0.01		0.011
MINIMUM		50	168.3	0.43	0.01	10	0.011
STD DEV (GEOM *)		28	0.5	0.14	0.01		0.000
# SAMP IN STATISTICS		2	2	2	2	1	2
% SAMP (EXCLUDED)						50	

B.O.W./ SITE: QUIRKE LAKE  
 SAMPLE POINT: EAST OF DENISON MINE 25 2  
 STATION TYPE: LAKE

STATION ID: 14-0019-034-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 10.87 LONG: 082 35 31.64 U T M: 17 0377800.0 5149100.0 4 REGION: 05 DISTANCE: 85.776

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FVPH	FWTEMP	GACF
SAMPLE DATE	YMMDD	TIME	NUMBER	DEPTH	PROJECT	CONDUCT.	COPPER	IRON	PH	WATER	GROSS
YMMDD	LMT			M	SUB-PROJ	UMHO/CM	UNF.TOT.	UNF.TOT.	FIELD	TEMP	ALPHA CT
					CODE	AT 25 C	AS CU	AS FE		DEG.C	FILTERED
					AS CAC03						MBQ/L
820603	1305		34554	0.30	0101	434.0	0.007	0.040<T	6.29	13.0	440
821101			34569		0101	526.0	0.011	0.020<T	6.41		920
			MAXIMUM	0.30		526.0	0.011	0.040	6.41	13.0	920
			ARITH MEAN	0.30		480.0	0.009	0.030<A	6.35	13.0	680
			GEOM MEAN			477.8	0.009	0.028<A	6.35		636
			MINIMUM	0.30		434.0	0.007	0.020	6.29	13.0	440
			STD DEV (GEOM *)			65.1	0.003	0.014<A	0.08		339
			# SAMP IN STATISTICS	1		2	2	2	2	1	2
			% SAMP (EXCLUDED)								

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT
SAMPLE DATE	YMMDD	GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR
YMMDD	LMT	ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	UNF.TOT.		UNF.TOT.
		UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L
		MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P
820603	1305	63	530	49	0.005	0.610	1.500	3.40	0.007	6.63	0.006
821101		100	640	120	0.005	4.000	9.800	4.15	0.012	6.79	0.004
		100	640	120	0.005	4.000	9.800	4.15	0.012	6.79	0.006
		81	585	84	0.005	2.305	5.650	3.77	0.009	6.71	0.005
		79	582	77	0.005	1.562	3.834	3.76	0.009	6.71	0.005
		63	530	49	0.005	0.610	1.500	3.40	0.007	6.63	0.004
		26	78	50	0.000	2.397	5.869	0.53	0.004	0.11	0.001
		2	2	2	2	2	2	2	2	2	2

B.O.W./ SITE: QUIRKE LAKE  
SAMPLE POINT: EAST OF DENISON MINE 25 2  
STATION TYPE: LAKE

STATION ID: 14-0019-034-01

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 29 10.87 LONG: 082 35 31.64

U T M: 17 0377800.0 5149100.0 4

REGION: 05

DISTANCE: 85.776

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820603	1305	34554	91	173.0	0.69	0.01	3<	0.011
821101		34569	70	167.2	0.34	0.018	12	0.010
MAXIMUM		91	173.0	0.69	0.018	12	0.011	
ARITH MEAN		80	170.1	0.51	0.01	12	0.010	
GEOM MEAN		80	170.1	0.48	0.01		0.010	
MINIMUM		70	167.2	0.34	0.01	12	0.010	
STD DEV (GEOM *)		15	4.1	0.25	0.01		0.001	
# SAMP IN STATISTICS		2	2	2	2	1	2	
% SAMP (EXCLUDED)						50		

B.O.W./ SITE: WHISKEY LAKE

SAMPLE POINT: SOUTH END NEAR RUM POINT 29 4

STATION TYPE: LAKE

STATION ID: 14-0019-035-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 24 27.28 LONG: 082 20 56.90

U T M: 17 0396300.0 5140000.0 4

REGION: 05

DISTANCE: 59.383

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
				ALK	INFLECTN	CONDUCT.	COPPER	IRON			GROSS
				TOTAL	POINT	25C	UNF.TOT.	UNF.TOT.		WATER	ALPHA CT
				MG/L	MG/L	UMHO/CM	MG/L	MG/L	PH	TEMP	FILTERED
				AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE	FIELD	DEG.C	MBQ/L
820603	1405	34555	0.30	0101	2.6	0.07	323.0	0.005	0.035<T	5.60	400
821101		34570		0101	10.2	0.02	333.0	0.010	0.015<T	5.60	740
MAXIMUM		0.30			10.2	0.07	333.0	0.010	0.035	5.60	740
ARITH MEAN		0.30			6.4	0.04	328.0	0.007	0.025<A	5.60	570
GEOM MEAN					5.1	0.04	328.0	0.007	0.023<A	5.60	544
MINIMUM		0.30			2.6	0.02	323.0	0.005	0.015	5.60	400
STD DEV (GEOM *)					5.4	0.04	7.1	0.004	0.014<A	0.00	240
# SAMP IN STATISTICS		1			2	2	2	2	2	1	2
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT
		GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR
		ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	UNF.TOT.
		UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
		MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P
820603	1405	34555	53	470	76	0.004	1.690	1.100	1.80	0.003<	6.07
821101		34570	52	450	51	0.005	1.680	6.050	1.83	0.009	6.48
MAXIMUM			53	470	76	0.005	1.690	6.050	1.83	0.009	6.48
ARITH MEAN			52	460	63	0.004	1.685	3.575	1.81	0.009	6.27
GEOM MEAN			52	460	62	0.004	1.685	2.580	1.81		6.27
MINIMUM			52	450	51	0.004	1.680	1.100	1.80	0.009	6.07
STD DEV (GEOM *)			1	14	18	0.001	0.007	3.500	0.02		0.29
# SAMP IN STATISTICS			2	2	2	2	2	2	1	2	2
% SAMP (EXCLUDED)									50		

B.O.W./ SITE: WHISKEY LAKE  
 SAMPLE POINT: SOUTH END NEAR RUM POINT 29 4  
 STATION TYPE: LAKE

STATION ID: 14-0019-035-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 24 27.28 LONG: 082 20 56.90 U T M: 17 0396300.0 5140000.0 4 REGION: 05 DISTANCE: 59.383

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
		RADIUM	SULPHATE		URANIUM		ZINC	
SAMPLE		226 FIL.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	MBQ/L	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820603	1405	34555	87	128.0	0.76	0.01	3<	0.012
821101		34570	65	104.3	0.44	0.011	7	0.011
MAXIMUM		87	128.0	0.76	0.011	7	0.012	
ARITH MEAN		76	116.1	0.60	0.01	7	0.011	
GEOM MEAN		75	115.5	0.58	0.01		0.011	
MINIMUM		65	104.3	0.44	0.01	7	0.011	
STD DEV (GEOM *)		16	16.8	0.23	0.00		0.001	
# SAMP IN STATISTICS		2	2	2	2	1	2	
% SAMP (EXCLUDED)						50		

STORET CODE: 02  
002  
8040

**DISTANCE: 69.522**

*INTERIM		TEST-NAME:	GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N	NNOTFR	NNTKUR K'DAHL N	PBUT	PH	PPUT
			GROSS ALPHA CT	GROSS BETA CT	GROSS BETA CT	NICKEL UNF.TOT.	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	TOTAL FIL.TOT.	LEAD UNF.TOT.		PHOSPHOR UNF.TOT.
DATE	HOUR	SAMPLE	UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L
YYMMDD	LMT	NUMBER	MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P
820603	1245	34556	40<	230	40<	0.001	0.100	0.330	0.28	0.003<	7.47	0.010
821101		34571	40<	360	40<	0.001	0.040	21.000	0.20	0.006	7.45	0.001<W
		MAXIMUM		360		0.001	0.100	21.000	0.28	0.006	7.47	0.010
		ARITH MEAN		295		0.001	0.070	10.665	0.24	0.006	7.46	0.005<A
		GEOM MEAN		288		0.001	0.063	2.632	0.24		7.46	0.003<A
		MINIMUM		230		0.001	0.040	0.330	0.20	0.006	7.45	0.001
		STD DEV (GEOM *)		92		0.000	0.042	14.616	0.06		0.01	0.006<A
		# SAMP IN STATISTICS		2		2	2	2	2	1	2	2
		% SAMP (EXCLUDED)								50		



B.O.W./ SITE: MCCABE LAKE  
 SAMPLE POINT: CENTRE OF LAKE 35 1  
 STATION TYPE: LAKE

STATION ID: 14-0019-036-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 25 22.23 LONG: 082 33 50.11

U T M: 17 0379825.0 5142000.0 4

REGION: 05

DISTANCE: 69.522

*INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	MBQ/L	AS S04	FTU	AS U	UG/L	AS ZN	
820603	1245	34556	230	95.0	1.19	0.01 <W	3<	0.002
821101		34571	240	76.2	0.69	0.002	3<	0.002
MAXIMUM		240	95.0	1.19	0.01			0.002
ARITH MEAN		235	85.6	0.94	0.01 <A			0.002
GEOM MEAN		235	85.1	0.91	0.00 <A			0.002
MINIMUM		230	76.2	0.69	0.002			0.002
STD DEV (GEOM *)		7	13.3	0.35	0.01 <A			0.000
# SAMP IN STATISTICS		2	2	2	2			2
% SAMP (EXCLUDED)								

B.O.W./ SITE: CAMP LAKE  
 SAMPLE POINT: AT SOUTH END 55 1  
 STATION TYPE: LAKE

STATION ID: 14-0019-037-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 14 06.00 LONG: 082 26 29.49 U T M: 17 0388850.0 5120950.0 4 REGION: 05 DISTANCE: 16.737

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
				ALK	INFLECTN	CONDUCT.	COPPER	IRON			GROSS
				TOTAL	POINT	25C	UNF.TOT.	UNF.TOT.			ALPHA CT
SAMPLE DATE	HOUR	SAMPLE	PROJECT	MG/L	MG/L	UMHO/CM	MG/L	MG/L	PH	WATER	TEMP
YYMMDD	LMT	NUMBER	SUB-PROJ	AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE	FIELD	DEG.C	MBQ/L
			CODE								
820603	1125	34557	0101	4.5	1.69	220.0	0.004	0.050	6.36	16.0	560
821101		34572	0101	4.9	2.80	217.0	0.009	0.055	6.53		250
		MAXIMUM	0.30	4.9	2.80	220.0	0.009	0.055	6.53	16.0	560
		ARITH MEAN	0.30	4.7	2.24	218.5	0.006	0.052	6.44	16.0	405
		GEOM MEAN		4.7	2.18	218.5	0.006	0.052	6.44		374
		MINIMUM	0.30	4.5	1.69	217.0	0.004	0.050	6.36	16.0	250
		STD DEV (GEOM *)		0.3	0.78	2.1	0.004	0.004	0.12		219
		# SAMP IN STATISTICS	1	2	2	2	2	2	2	1	2
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT	
		GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	
		ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	UNF.TOT.	
SAMPLE DATE	HOUR	SAMPLE	UNDISSOL	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	NUMBER	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P	
820603	1125	34557	40<	280	40<	0.002	0.600	2.950	0.80	0.003<	6.59	0.004
821101		34572	40<	240	40<	0.003	0.430	2.800	0.87	0.006	6.57	0.005
		MAXIMUM		280		0.003	0.600	2.950	0.87	0.006	6.59	0.005
		ARITH MEAN		260		0.002	0.515	2.875	0.83	0.006	6.58	0.004
		GEOM MEAN		259		0.002	0.508	2.874	0.83		6.58	0.004
		MINIMUM		240		0.002	0.430	2.800	0.80	0.006	6.57	0.004
		STD DEV (GEOM *)		28		0.001	0.120	0.106	0.05		0.01	0.001
		# SAMP IN STATISTICS		2		2	2	2	2	1	2	2
		% SAMP (EXCLUDED)								50		

B.O.W./ SITE: CAMP LAKE  
 SAMPLE POINT: AT SOUTH END 55 1  
 STATION TYPE: LAKE

STATION ID: 14-0019-037-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 14 06.00 LONG: 082 26 29.49 U T M: 17 0388850.0 5120950.0 4 REGION: 05 DISTANCE: 16.737

*INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS SO4	FTU	AS U	UG/L	AS ZN	
820603	1125	34557	70	75.0	0.72	0.01 <W	5	0.008
821101		34572	52	52.0	0.77	0.002	3<	0.008
MAXIMUM		70	75.0	0.77	0.01	5	0.008	
ARITH MEAN		61	68.5	0.74	0.01 <A	5	0.008	
GEOM MEAN		60	68.2	0.74	0.00 <A		0.008	
MINIMUM		52	62.0	0.72	0.002	5	0.008	
STD DEV (GEOM *)		13	9.2	0.04	0.01 <A		0.000	
# SAMP IN STATISTICS		2	2	2	2	1	2	
% SAMP (EXCLUDED)						50		

B.O.W./ SITE: SERPENT HARBOUR  
 SAMPLE POINT: NEAR HOSPITAL POINT 08 2  
 STATION TYPE: LAKE

STATION ID: 14-0019-038-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 11 55.43 LONG: 082 40 32.93

U T M: 17 0370700.0 5117275.0 4

REGION: 05

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
SAMPLE DATE	HOUR	SAMPLE	PROJECT	ALK	ALK	CONDUCT.	COPPER	IRON		WATER	GROSS
YYMMDD	LMT	NUMBER	SUB-PROJ	TOTAL	INFLECTN	25C	UNF.TOT.	UNF.TOT.	PH	TEMP	ALPHA CT
			CODE	MG/L	POINT	UMHO/CM	MG/L	MG/L	FIELD	DEG.C	FILTERED
				AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE			MBQ/L
820603	1102	34558	0101	6.9	4.45	196.0	0.007	0.100	6.83	12.0	260
821101		34573	0101	33.1	30.70	163.0	0.005	0.085	7.67		170
		MAXIMUM	0.30	33.1	30.70	196.0	0.007	0.100	7.67	12.0	260
		ARITH MEAN	0.30	20.0	17.57	179.5	0.006	0.092	7.25	12.0	215
		GEOM MEAN		15.1	11.69	178.7	0.006	0.092	7.24		210
		MINIMUM	0.30	6.9	4.45	163.0	0.005	0.085	6.83	12.0	170
		STD DEV (GEOM *)		18.5	18.56	23.3	0.001	0.011	0.59		64
		# SAMP IN STATISTICS	1	2	2	2	2	2	2	1	2
		% SAMP (EXCLUDED)									

*INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT	
SAMPLE DATE	HOUR	GROSS	GROSS	GROSS	NICKEL	TOTAL	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	
YYMMDD	LMT	ALPHA CT	BETA CT	BETA CT	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF.TOT.	
		UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	
		MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P	
820603	1102	34558	47	190	40	0.004	0.364	2.450	0.71	0.005	6.75	0.015
821101		34573		91	40<	0.004	0.004<T	1.150	0.21	0.003<	7.54	0.004
		MAXIMUM	47	190	40	0.004	0.364	2.450	0.71	0.005	7.54	0.015
		ARITH MEAN	47	140	40	0.004	0.184<A	1.800	0.46	0.005	7.14	0.009
		GEOM MEAN		131		0.004	0.038<A	1.679	0.39		7.13	0.008
		MINIMUM	47	91	40	0.004	0.004	1.150	0.21	0.005	6.75	0.004
		STD DEV (GEOM *)		70		0.000	0.255<A	0.919	0.35		0.56	0.008
		# SAMP IN STATISTICS	1	2	1	2	2	2	2	1	2	2
		% SAMP (EXCLUDED)			50					50		

B.O.W./ SITE: SERPENT HARBOUR  
 SAMPLE POINT: NEAR HOSPITAL POINT 08 2  
 STATION TYPE: LAKE

STATION ID: 14-0019-038-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 11 55.43 LONG: 082 40 32.93 U T M: 17 0370700.0 5117275.0 4 REGION: 05

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820603	1102	34558	60	66.5	1.55	0.01 <W	3<	0.007
821101		34573	40<	29.1	1.43	0.002	40<	0.005
MAXIMUM		60	66.5	1.55	0.01			0.007
ARITH MEAN		60	47.8	1.49	0.01 <A			0.006
GEOM MEAN			44.0	1.49	0.00 <A			0.006
MINIMUM		60	29.1	1.43	0.002			0.005
STD DEV (GEOM *)			26.4	0.08	0.01 <A			0.001
# SAMP IN STATISTICS		1	2	2	2			2
% SAMP (EXCLUDED)		50						

B.O.W./ SITE: MCCARTHY LAKE  
 SAMPLE POINT: AT WEST END 53 1  
 STATION TYPE: LAKE

STATION ID: 14-0019-039-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 19 45.02 LONG: 082 29 05.71 U T M: 17 0385700.0 5131475.0 4 REGION: 05 DISTANCE: 40.876

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
				ALK	INFLECTN	CONDUCT.	COPPER	IRON			GROSS
				TOTAL	POINT	25C	UNF.TOT.	UNF.TOT.			ALPHA CT
SAMPLE DATE	HOUR	SAMPLE	PROJECT	MG/L	MG/L	UMHO/CM	MG/L	MG/L	PH	TEMP	MBQ/L
YYMMDD	LMT	NUMBER	SUB-PROJ CODE	AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE	FIELD	DEG.C	
820603	1140	34559	0101	7.4	1.78	179.0	0.002	0.045	6.42	17.0	110
821101		34574	0101	11.1	8.16	185.0	0.003	0.055	6.93		180
MAXIMUM		0.30		11.1	8.16	185.0	0.003	0.055	6.93	17.0	180
ARITH MEAN		0.30		9.2	4.97	182.0	0.002	0.050	6.67	17.0	145
GEOM MEAN				9.1	3.81	182.0	0.002	0.050	6.67		141
MINIMUM		0.30		7.4	1.78	179.0	0.002	0.045	6.42	17.0	110
STD DEV (GEOM *)				2.6	4.51	4.2	0.001	0.007	0.36		49
# SAMP IN STATISTICS		1		2	2	2	2	2	2	1	2
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT	
		GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	
		ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	NO2+NO3N	TOTAL	UNF.TOT.		UNF.TOT.	
SAMPLE DATE	HOUR	UNDISSOL	FILTERED	UNDISSOL	MG/L	FIL.REAC	FIL.REAC	FIL.TOT.	MG/L		MG/L	
YYMMDD	LMT	MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P	
820603	1140	34559	40<	150	40<	0.002	0.274	1.200	0.52	0.003<	6.84	0.015
821101		34574	40<	86	40<	0.002	0.006	0.670	0.28	0.003	6.78	0.004
MAXIMUM				150		0.002	0.274	1.200	0.52	0.003	6.84	0.015
ARITH MEAN				118		0.002	0.140	0.935	0.40	0.003	6.81	0.009
GEOM MEAN				114		0.002	0.041	0.897	0.38		6.81	0.008
MINIMUM				86		0.002	0.006	0.670	0.28	0.003	6.78	0.004
STD DEV (GEOM *)				45		0.000	0.190	0.375	0.17		0.04	0.008
# SAMP IN STATISTICS				2		2	2	2	2	1	2	2
% SAMP (EXCLUDED)										50		

B.O.W./ SITE: MCCARTHY LAKE  
 SAMPLE POINT: AT WEST END 53 1  
 STATION TYPE: LAKE

STATION ID: 14-0019-039-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 19 45.02 LONG: 082 29 05.71 U T M: 17 0385700.0 5131475.0 4 REGION: 05 DISTANCE: 40.876

*INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT
		RADIUM	SULPHATE		URANIUM		ZINC
SAMPLE		226 FIL.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
DATE	HOUR	MBQ/L	MG/L	TURB'ITY	MG/L	238	MG/L
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN
820603	1140	34559	40<	54.5	1.10	0.01 <W	3<
821101		34574	40<	44.7	0.63	0.002	3<
MAXIMUM			54.5	1.10	0.01		0.003
ARITH MEAN			49.6	0.86	0.01 <A		0.003
GEOM MEAN			49.4	0.83	0.00 <A		0.003
MINIMUM			44.7	0.63	0.002		0.003
STD DEV (GEOM *)			6.9	0.33	0.01 <A		0.000
# SAMP IN STATISTICS			2	2	2		2
% SAMP (EXCLUDED)							

B.O.W./ SITE: MCCARTHY LAKE  
 SAMPLE POINT: AT SOUTH END 53 3  
 STATION TYPE: LAKE

STATION ID: 14-0019-040-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 18 29.74 LONG: 082 26 55.11 U T M: 17 0388450.0 5129100.0 4 REGION: 05 DISTANCE: 36.692

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
				ALK	ALK	CONDUCT.	COPPER	IRON			GROSS
				TOTAL	INFLECTN	25C	UNF.TOT.	UNF.TOT.			ALPHA CT
				MG/L	POINT	UMHO/CM	MG/L	MG/L	PH	WATER	TEMP
				AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE	FIELD	TEMP	DEG.C
											MBQ/L
SAMPLE DATE	HOUR	SAMPLE	SAMPLE	PROJECT							
YYMMDD	LMT	NUMBER	DEPTH	SUB-PROJ							
			M	CODE							
820603	1135	34560	0.30	0101	4.4	5.17	226.0	0.003	0.040<T	6.82	15.0
821101		34575		0101	5.4	3.03	227.0	0.006	0.045	6.48	370
		MAXIMUM	0.30		5.4	5.17	227.0	0.006	0.045	6.82	460
		ARITH MEAN	0.30		4.9	4.10	226.5	0.004	0.042<A	6.65	415
		GEOM MEAN			4.9	3.96	226.5	0.004	0.042<A	6.65	413
		MINIMUM	0.30		4.4	3.03	226.0	0.003	0.040	6.48	370
		STD DEV (GEOM *)			0.7	1.51	0.7	0.002	0.004<A	0.24	64
		# SAMP IN STATISTICS	1		2	2	2	2	2	2	2
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT
		GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR
		ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	UNF.TOT.
		UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
		MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P
SAMPLE DATE	HOUR	SAMPLE									
YYMMDD	LMT	NUMBER									
820603	1135	34560	40<	270	58	0.003	0.690	3.050	0.88	0.003<	6.65
821101		34575	40<	200	40<	0.003	0.57	2.950	0.83	0.005	6.68
		MAXIMUM		270	58	0.003	0.690	3.050	0.88	0.005	6.68
		ARITH MEAN		235	58	0.003	0.63	3.000	0.85	0.005	6.66
		GEOM MEAN		232		0.003	0.63	3.000	0.85		6.66
		MINIMUM		200	58	0.003	0.57	2.950	0.83	0.005	6.65
		STD DEV (GEOM *)		49		0.000	0.08	0.071	0.04		0.02
		# SAMP IN STATISTICS		2	1	2	2	2	2	1	2
		% SAMP (EXCLUDED)			50					50	



B.O.W./ SITE: MCCARTHY LAKE  
 SAMPLE POINT: AT SOUTH END 53 3  
 STATION TYPE: LAKE

STATION ID: 14-0019-040-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 18 29.74 LONG: 082 26 55.11

U T M: 17 0388450.0 5129100.0 4 , REGION: 05

DISTANCE: 36.692

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820603	1135	34560	72	79.0	0.89	0.01 <W	3	0.008
821101		34575	50	64.8	0.57	0.003	4	0.006
MAXIMUM		72	79.0	0.89	0.01	4	0.008	
ARITH MEAN		61	71.9	0.73	0.01 <A	3	0.007	
GEOM MEAN		60	71.5	0.71	0.01 <A	3	0.007	
MINIMUM		50	64.8	0.57	0.003	3	0.006	
STD DEV (GEOM *)		16	10.0	0.23	0.00 <A	1	0.001	
# SAMP IN STATISTICS		2	2	2	2	2	2	
% SAMP (EXCLUDED)								

B.O.W./ SITE: HOUGH LAKE  
 SAMPLE POINT: CENTRE OF LAKE  
 STATION TYPE: LAKE

STATION ID: 14-0019-041-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 24 32.22 LONG: 082 29 32.24 U T M: 17 0385300.0 5140350.0 4 REGION: 05 DISTANCE: 56.808

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
				ALK	ALK	CONDUCT.	COPPER	IRON			GROSS
SAMPLE DATE	HOUR	SAMPLE	SAMPLE	TOTAL	INFLECTN	25C	UNF.TOT.	UNF.TOT.	PH	WATER	ALPHA CT
YYMMDD	LMT	NUMBER	DEPTH	MG/L	POINT	UMHO/CM	MG/L	MG/L	FIELD	TEMP	FILTERED
			M	AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE		DEG.C	MBQ/L
820603	1155	34561	0.30	9.2	6.61	227.0	0.003	0.065	6.64	16.0	260
821101		34576		9.4	5.94	253.0	0.006	0.025<T	6.91		380
		MAXIMUM	0.30	9.4	6.61	253.0	0.006	0.065	6.91	16.0	380
		ARITH MEAN	0.30	9.3	6.27	240.0	0.004	0.045<A	6.77	16.0	320
		GEOM MEAN		9.3	6.27	239.6	0.004	0.040<A	6.77		314
		MINIMUM	0.30	9.2	5.94	227.0	0.003	0.025	6.64	16.0	260
		STD DEV (GEOM *)		0.1	0.47	18.4	0.002	0.028<A	0.19		85
		# SAMP IN STATISTICS	1	2	2	2	2	2	2	1	2
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT	
		GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	
SAMPLE DATE	HOUR	ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	UNF.TOT.	
YYMMDD	LMT	UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
		MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS N	AS PB	AS P	
820603	1155	34561	40<	180	40<	0.003	0.224	0.225	0.36	0.004	7.22	0.010
821101		34576	40<	240	40<	0.003	0.188	0.220	0.340	0.006	7.09	0.001<T
		MAXIMUM		240		0.003	0.224	0.225	0.36	0.006	7.22	0.010
		ARITH MEAN		210		0.003	0.206	0.222	0.35	0.005	7.15	0.005<A
		GEOM MEAN		208		0.003	0.205	0.222	0.35	0.005	7.15	0.003<A
		MINIMUM		180		0.003	0.188	0.220	0.340	0.004	7.09	0.001
		STD DEV (GEOM *)		42		0.000	0.025	0.004	0.01	0.001	0.09	0.006<A
		# SAMP IN STATISTICS		2		2	2	2	2	2	2	2
		% SAMP (EXCLUDED)										

B.O.W./ SITE: HOUGH LAKE  
SAMPLE POINT: CENTRE OF LAKE  
STATION TYPE: LAKE

STATION ID: 14-0019-041-01

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 24 32.22 LONG: 082 29 32.24 U T M: 17 0385300.0 5140350.0 4 REGION: 05 DISTANCE: 56.808

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
		RADIUM	SULPHATE		URANIUM		ZINC	
SAMPLE		226 FIL.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HR	MBQ/L	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820603	1155	34561	130	70.0	0.61	0.01 <W	3<	0.006
821101		34576	95	72.85	0.89	0.001	3<	0.006
MAXIMUM		130	72.85	0.89	0.01			0.006
ARITH MEAN		112	71.4	0.75	0.01 <A			0.006
GEOM MEAN		111	71.4	0.74	0.00 <A			0.006
MINIMUM		95	70.0	0.61	0.001			0.006
STD DEV (GEOM *)		25	2.0	0.20	0.01 <A			0.000
# SAMP IN STATISTICS		2	2	2	2			2
% SAMP (EXCLUDED)								

B.O.W./ SITE: NORTH NORDIC LAKE  
 SAMPLE POINT: AT EFFLUENT CANAL N 19  
 STATION TYPE: LAKE

STATION ID: 14-0019-043-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 22 42.16 LONG: 082 35 25.01

U T M: 17 0377700.0 5137100.0 4

REGION: 05

DISTANCE: 72.097

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
				ALK	ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	IRON	
				TOTAL	INFLECTN	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	UNF.TOT.	
DATE	HR	SAMPLE	PROJECT	MG/L	POINT	MG/L	MG/L	UMHO/CM	MG/L	MG/L	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	AS CAC03	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS FE	COND.
			CODE								
820128		31606	0101	34		0.740	0.004	2190	0.011	0.14	
820228		31628	0101	28.0		0.350	0.001<	2210.0	0.017	0.140	
820727	0915	31735	0101	1.7				929.0			8
820827	0915	31768	0101	25.9				2150.0			8
820928	0915	31781	0101	26.2	21.92			2150.0			8
821029	0815	31816	0101		27.30			2120.0			8
821128	0915	31848	0101		-0.37<T			912.0			8
821227	1000	31880	0101		4.28			769.0			2
MAXIMUM		0.30		34	27.30	0.740	0.004	2210.0	0.017	0.140	
ARITH MEAN		0.30		23	13.28<A	0.545	0.004	1679	0.014	0.14	
GEOM MEAN				16		0.509		1535	0.014	0.14	
MINIMUM		0.30		1.7	-0.37	0.350	0.004	769.0	0.011	0.14	
STD DEV (GEOM *)				12		0.276		672	0.004	0.00	
# SAMP IN STATISTICS		8		5	4	2	1	8	2	2	
% SAMP (EXCLUDED)							50				

*INTERIM TEST-NAME:		FWTEMP	GACF	GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP	MNUT
			GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	MANGANESE
			ALPHA CT	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	BETA CT	UNF.TOT.
DATE	HR	SAMPLE	WATER	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	BETA CT	UNF.TOT.
YYMMDD	LMT	NUMBER	TEMP	FILTERED	FILTERED	UNDISSOL	FILTERED	FILTERED	UNDISSOL	UNDISSOL	MG/L
			DEG.C	PCI/L	MBQ/L	PCI/L	PCI/L	MBQ/L	PCI/L	MBQ/L	AS MN
820128		31606		37		1		23		3	0.280
820228		31628			980		40<	680		85	0.208
820727	0915	31735	23.0								
820827	0915	31768	16.0		1500		40<	700		40<	
820928	0915	31781	14.0		1800		60	1100		60	
821029	0815	31816	0.9		2300		40	680		90	
821128	0915	31848	4.0		420		280	320		170	
821227	1000	31880	1.0								
MAXIMUM		23.0		37	2300	1	280	23	1100	3	0.280
ARITH MEAN		9.8		37	1400	1	127	23	696	3	0.244
GEOM MEAN		5.1			1206				648		0.241
MINIMUM		0.9		37	420	1	40	23	320	3	0.208
STD DEV (GEOM *)		9.2			727				276		0.051
# SAMP IN STATISTICS		6		1	5	1	3	1	5	1	4
% SAMP (EXCLUDED)							40				20

STATION ID: 14-0019-043-01

STORET CODE: 02  
002  
8040

LAT: 46 22 42.16 LONG: 082 35 25.01 U T M: 17 0377700.0 5137100.0 4 REGION: 05 DISTANCE: 72.097

*=INTERIM TEST-NAME:			RA226F	RA226F	RSF	RSP	SSO4UR SULPHATE UNF.REAC MG/L AS S04	TURB	UUUT URANIUM UNF.TOT. MG/L AS U	UU238 URANIUM 238 UG/L	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	RADIUM 226 FIL. PCI/L	RADIUM 226 FIL. MBQ/L	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L		TURB'ITY FTU			
820128		31606	1<		2108.0	4.200	1217.0			20	0.009
820228		31628		40<	2005.0	1.400				17	0.005
820727	0915	31735					441.0	3.70			
820827	0915	31768		40<			1333.0	0.54		22	
820928	0915	31781		50			1191.0	7.10		28	
821029	0815	31816		50			1172.00	2.80		41	
821128	0915	31848		90			428.40	3.70		3	
821227	1000	31880					368.80	18.00	0.006		
		MAXIMUM		90	2108.0	4.200	1333.0	18.00	0.006	41	0.009
		ARITH MEAN		63	2056.5	2.800	878.7	5.97	0.006	22	0.007
		GEOM MEAN			2055.9	2.425	768.1	3.72		17	0.007
		MINIMUM		50	2005.0	1.400	368.80	0.54	0.006	3	0.005
		STD DEV (GEOM *)			72.8	1.980	439.5	6.26		13	0.003
		# SAMP IN STATISTICS		3		2	7	6	1	6	2
		% SAMP (EXCLUDED)		40							

B.O.W./ SITE: WESTNER LAKE  
 SAMPLE POINT: AT SKI CLUB ROAD N 15  
 STATION TYPE: LAKE

STATION ID: 14-0019-044-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 22 59.80 LONG: 082 37 33.09 U T M: 17 0374975.0 5137700.0 4 REGION: 05 DISTANCE: 75.798

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALTKI ALK	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM COND.
820128	31608	0.30	0101	4		4.300	0.001<	493	0.009	1.85	
820228	31630	0.30	0101	1.0		3.300	0.001<	515.0	0.007	1.740	
820421 1130	31651	0.30	0101	1.7				281.0			
820519 1400	31680	0.30	0101	1.2				540.0			8
820622 1100	31708	0.30	0101	5.2				639.0			8
820727 1100	31738	0.30	0101	6.9				659.0			8
820827 1100	31771	0.30	0101	15.7				703.0			8
820928 1100	31784	0.30	0101	0.8<T	-2.04<T			434.0			8
821029 1000	31819	0.30	0101		-6.27<T			432.0			8
821128 1100	31851	0.30	0101		-6.20<T			433.0			8
821228 1000	31883	0.30	0101		-19.62<T			439.0			2
MAXIMUM		0.30		15.7	0	4.300		703.0	0.009	1.85	
ARITH MEAN		0.30		5 <A	-8.53<A	3.800		506	0.008	1.79	
GEOM MEAN				3 <A		3.767		492	0.008	1.79	
MINIMUM		0.30		0.8	-19.62	3.300		281.0	0.007	1.740	
STD DEV (GEOM *)				5 <A		0.707		123	0.001	0.08	
# SAMP IN STATISTICS		11		8	4	2		11	2	2	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	GACF GROSS	GACF GROSS	GACP GROSS	GACP GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS	MNUT MANGANESE
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	WATER TEMP DEG.C	ALPHA CT FILTERED PCI/L	ALPHA CT FILTERED MBQ/L	ALPHA CT UNDISSOL PCI/L	ALPHA CT UNDISSOL MBQ/L	BETA CT FILTERED PCI/L	BETA CT FILTERED MBQ/L	BETA CT UNDISSOL PCI/L	BETA CT UNDISSOL MBQ/L	UNF.TOT. MG/L AS MN
820128	31608		42		3		16		1		
820228	31630			1100		96		580		48	2.080
820421 1130	31651			380		40		260		40	
820519 1400	31680	18.0		440		40<		360		40<	
820622 1100	31708	15.0		340		40<		280		40<	
820727 1100	31738	23.0		250		66		320		44	
820827 1100	31771	14.0		120		80		120		40<	
820928 1100	31784	13.0		520		50		500		40<	
821029 1000	31819	0.8		1300		90		610		40<	
821128 1100	31851	3.0		1500		170		510		70	
821228 1000	31883			470		100		420		40<	

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

**DISTANCE: 75.798**

[illegible]

B.O.W./ SITE: WESTNER LAKE  
 SAMPLE POINT: AT SKI CLUB ROAD N 15  
 STATION TYPE: LAKE

STATION ID: 14-0019-044-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 22 59.80 LONG: 082 37 33.09 U T M: 17 0374975.0 5137700.0 4 REGION: 05 DISTANCE: 75.798

*INTERIM TEST-NAME:		RA226F	RA226F	RSF	RSP	SS04UR SULPHATE	TURB	UUUT URANIUM	UU238	ZNUT ZINC
SAMPLE DATE	TIME	RADIUM 226 FIL. PCI/L	RADIUM 226 FIL. MBQ/L	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	UNF.REAC MG/L AS SO4	TURB'ITY FTU	UNF.TOT. MG/L AS U	URANIUM 238 UG/L	UNF.TOT. MG/L AS ZN
820128		31608	3	325.0	4.500	155.0			9	0.056
820228		31630		318	5.7	137.0			6	0.045
820421	1130	31651		40<		59.0	4.90		3<	
820519	1400	31680		110		99.0	0.78		3<	
820622	1100	31708		74		96.0	1.17		3<	
820727	1100	31738		41		61.0	12.60		3<	
820827	1100	31771		40<		59.3	4.30		3<	
820928	1100	31784		50		113.9	2.20		3<	
821029	1000	31819		130		120.10	0.76		8	
821128	1100	31851		60		109.70	4.40		15	
821228	1000	31883		900		124.90	5.70	0.011	3<	
MAXIMUM		3	900	325.0	5.7	155.0	12.60	0.011	15	0.056
ARITH MEAN		3	181	321	5.1	103.2	4.09	0.011	9	0.050
GEOM MEAN				321	5.1	98.1	2.79			0.050
MINIMUM		3	41	318	4.500	59.0	0.76	0.011	6	0.045
STD DEV (GEOM *)				5	0.8	32.4	3.71			0.008
# SAMP IN STATISTICS		1	8	2	2	11	9	1	4	2
% SAMP (EXCLUDED)			20						63	



B.O.W./ SITE: WILLIAMS LAKE CREEK  
 SAMPLE POINT: AT DENISON MINE ACCESS ROAD D 3  
 STATION TYPE: RIVER

STATION ID: 14-0019-045-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 44.31 LONG: 082 38 07.43 U T M: 17 0374500.0 5150200.0 4 REGION: 05 DISTANCE: 91.408

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL MG/L	INFLECTN POINT MG/L	ALUMINUM UNF.TOT. MG/L	ARSENIC UNF.TOT. MG/L	CONDUCT. 25C UMHO/CM	COPPER UNF.TOT. MG/L	IRON UNF.TOT. MG/L	STREAM COND.
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS FE	
820129		31614	0101	254		0.190	0.001<	2590	0.027	0.17	
820227		31635	0101	233.0		0.170	0.001<	2605.0	0.026	0.110	
820423	1700	31656	0101	38.0				597.0			
820520	1430	31689	0101	27.3				1210.0			8
820623	1330	31717	0101	48.9				1490.0			8
820728	1330	31748	0101	106.8				1680.0			8
820828	1330	31780	0101	128.6				1740.0			8
820929	1330	31794	0101	41.8	41.02			1080.0			8
821030	1230	31828	0101		55.10			713.0			8
821129	1330	31860	0101		29.43			786.0			8
821228	1000	31892	0101		31.06			667.0			2
MAXIMUM		0.30		254	55.10	0.190		2605.0	0.027	0.17	
ARITH MEAN		0.30		110	39.15	0.180		1378	0.026	0.14	
GEOM MEAN				80	37.91	0.180		1216	0.026	0.14	
MINIMUM		0.30		27.3	29.43	0.170		597.0	0.026	0.110	
STD DEV (GEOM *)				90	11.80	0.014		723	0.001	0.04	
# SAMP IN STATISTICS		11		8	4	2		11	2	2	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	GACF GROSS	GACF GROSS	GACP GROSS	GACP GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS	MNUT MANGANESE
SAMPLE DATE	HOUR	WATER TEMP	ALPHA CT FILTERED	ALPHA CT FILTERED	ALPHA CT UNDISSOL	ALPHA CT UNDISSOL	BETA CT FILTERED	BETA CT FILTERED	BETA CT UNDISSOL	BETA CT UNDISSOL	UNF.TOT. MG/L
YYMMDD	LMT	DEG.C	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	AS MN
820129			17		1		18		2		0.012
820227				510		74		730		79	0.016
820423	1700			260		82		180		47	
820520	1430			3500		30		2500		28	
820623	1330			2800		40<		920		66	
820728	1330			8100		320		2100		360	
820828	1330			7100		1100		2700		900	
820929	1330			870		80		230		50	
821030	1230			1200		60		500		40<	
821129	1330			870		210		310		160	
821228	1000			170		2200		150		1100	

B.O.W./ SITE: WILLIAMS LAKE CREEK  
 SAMPLE POINT: AT DENISON MINE ACCESS ROAD D 3  
 STATION TYPE: RIVER

STATION ID: 14-0019-045-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 44.31 LONG: 082 38 07.43 U T M: 17 0374500.0 5150200.0 4 REGION: 05 DISTANCE: 91.408

*INTERIM TEST-NAME:		FWTEMP	GACF GROSS ALPHA CT FILTERED PCI/L	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL PCI/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED PCI/L	GBCF GROSS BETA CT FILTERED MBQ/L	GBCP GROSS BETA CT UNDISSOL PCI/L	GBCP GROSS BETA CT UNDISSOL MBQ/L	MNUT MANGANSE UNF.TOT. MG/L AS MN	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C									
		MAXIMUM	22.0	17	8100	1	2200	18	2700	2	1100	0.016
		ARITH MEAN	14.0	17	2538	1	462	18	1032	2	310	0.014
		GEOM MEAN	12.3		1277				625			0.014
		MINIMUM	3.0	17	170	1	30	18	150	2	28	0.012
		STD DEV (GEOM *)	5.9		2887				1007			0.003
		# SAMP IN STATISTICS	7	1	10	1	9	1	10	1	9	2
		% SAMP (EXCLUDED)					10				10	

*INTERIM TEST-NAME:		NIUT	NNHTR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N	NNO3FR NO3-N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PBUT	PH	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	NICKEL UNF.TOT. MG/L AS NI					LEAD UNF.TOT. MG/L AS PB				
820129		31614	0.007	8.900	9.200	2.5000	6.700	10.80	0.003<	11.55	0.0020	0.050
820227		31635	0.005	9.050	9.150	9.050	6.650	21.50	0.006	11.33	0.0020	0.022
820423	1700	31656		1.350	1.400			1.75		10.151		0.008
820520	1430	31689		0.540				4.00		8.590		0.015
820623	1330	31717		0.122	7.000			0.56		7.820		0.014
820728	1330	31748		0.042	3.550			0.79		8.15		0.024
820828	1330	31780		0.038	3.150			0.82		8.200		0.038
820929	1330	31794		0.024	2.900			0.40		7.851		0.003<T
821030	1230	31828		0.090	1.850			0.290		8.091		0.005
821129	1330	31860		0.072	5.600			0.380		7.873		0.001<T
821228	1000	31892		2.030	3.050			2.120		8.046		0.005
		MAXIMUM	0.007	9.050	9.200	9.050	6.700	21.50	0.006	11.55	0.0020	0.050
		ARITH MEAN	0.006	2.023	4.685	5.775	6.675	3.95	0.006	8.88	0.0020	0.017<A
		GEOM MEAN	0.006	0.320	3.915	4.757	6.675	1.44		8.78	0.0020	0.010<A
		MINIMUM	0.005	0.024	1.400	2.5000	6.650	0.290	0.006	7.820	0.0020	0.001
		STD DEV (GEOM *)	0.001	3.498	2.884	4.632	0.035	6.58		1.43	0.0000	0.016<A
		# SAMP IN STATISTICS	2	11	10	2	2	11	1	11	2	11
		% SAMP (EXCLUDED)							50			

B.O.W./ SITE: WILLIAMS LAKE CREEK  
SAMPLE POINT: AT DENISON MINE ACCESS ROAD D 3  
STATION TYPE: RIVER

STATION ID: 14-0019-045-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 29 44.31 LONG: 082 38 07.43 U T M: 17 0374500.0 5150200.0 4 REGION: 05 DISTANCE: 91.408

[illegible]

B.O.W./ SITE: PRONTO DITCH

SAMPLE POINT: OUTLET BELOW PRONTO TREATMENT PLANT PR 4

STATION TYPE: INDUSTRIAL PROCESS

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STATION ID: 14-0019-046-09

STORET CODE: 02

002

8040

LAT: 46 12 15.39

LONG: 082 42 41.86

U T M: 17 0367950.0 5117950.0 4

REGION: 05

DISTANCE: 1.770

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	FWSTRC	FWTEMP	GACF	GACP	GBCF
SAMPLE DATE	YMMDD LMT	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL	INFLECTN	CONDUCT.	STREAM	WATER	GROSS	GROSS	GROSS
YMMDD	LMT	NUMBER	CODE	MG/L	POINT	25C	COND.	TEMP	ALPHA CT	ALPHA CT	BETA CT
		M		AS CAC03	AS CAC03	UMHO/CM		DEG.C	FILTERED	UNDISSOL	FILTERED
						AT 25 C			MBQ/L	MBQ/L	MBQ/L
820726	1130	31732	0101	21.4		912.0	8	24.0	600	100	220
820826	1130	31765	0101	21.2		863.0	8	17.0	1000	40<	410
820927	1130	31778	0101	16.2	26.99	1010.0	9	18.0	1400	640	370
821028	1030	31813	0101		40.44	1100.0	8	0.9	440	60	260
821127	1130	31845	0101		12.29	819.0	8	3.0	550	100	150
821227	1000	31877	0101		22.81	398.0	2				
MAXIMUM		0.30		21.4	40.44	1100.0		24.0	1400	640	410
ARITH MEAN		0.30		19.6	25.63	850.3		12.6	798	225	282
GEOM MEAN				19.4	23.52	811.2		7.2	727		265
MINIMUM		0.30		16.2	12.29	398.0		0.9	440	60	150
STD DEV (GEOM *)				2.9	11.65	243.9		10.1	398		107
# SAMP IN STATISTICS		6		3	4	6		5	5	4	5
% SAMP (EXCLUDED)										20	

*INTERIM TEST-NAME:		GBCP	NNHTR	NNOTFR	NNTKUR	PH	PPUT	RA226F	SS04UR	TURB	UUUT
SAMPLE DATE	YMMDD LMT	GROSS BETA CT	NH3-N	NO2+NO3N	K'DAHL N		PHOSPHOR	RADIUM	SULPHATE	TURB'ITY	URANIUM
YMMDD	LMT	UNDISSOL	FIL.REAC	FIL.REAC	FIL.TOT.	PH	UNF.TOT.	226 FIL.	UNF.REAC	FTU	UNF.TOT.
		MBQ/L	MG/L	MG/L	MG/L		MG/L	MBQ/L	MG/L		MG/L
		AS N	AS N	AS N	AS N		AS P		AS S04		AS U
820726	1130	93	0.048	0.040	0.18	7.95	0.006	45	428	1.57	
820826	1130	40<	0.064	0.010<	0.24	7.670	0.003<	40<	429.2	0.35	
820927	1130	440	0.460	0.015	0.67	7.810	0.007	130	547.8	10.10	
821028	1030	40<	0.042	0.025	0.500	10.494	0.002<	40	474.50	3.50	
821127	1130	80	0.202	0.240	0.410	7.411	0.002<	50	374.20	0.73	
821227	1000	31877	0.002<	0.280	0.240	7.700	0.007		121.50	1.10	0.004
MAXIMUM		440	0.460	0.280	0.67	10.494	0.007	130	547.8	10.10	0.004
ARITH MEAN		204	0.136<	0.102<	0.37	8.17	0.004<	66	396	2.89	0.004
GEOM MEAN			0.054<	0.046<	0.34	8.11	0.004<		360	1.58	
MINIMUM		80	0.002	0.010	0.18	7.411	0.002	40	121.50	0.35	0.004
STD DEV (GEOM *)			0.173<	0.124<	0.19	1.15	0.002<		146	3.70	
# SAMP IN STATISTICS		3	6	6	6	6	6	4	6	6	1
% SAMP (EXCLUDED)		40						20			

B.O.W./ SITE: PRONTO DITCH

STATION ID: 14-0019-046-09

SAMPLE POINT: OUTLET BELOW PRONTO TREATMENT PLANT PR 4

STATION TYPE: INDUSTRIAL PROCESS

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 12 15.39 LONG: 082 42 41.86

T M: 17 0367950.0 5117950.0 4

REGION: 05

DISTANCE: 1.770

\*=INTERIM TEST-NAME: UU238

SAMPLE			URANIUM
DATE	HOUR	SAMPLE	238
YYMMDD	LMT	NUMBER	UG/L
820726	1130	31732	8
820826	1130	31765	14
820927	1130	31778	24
821028	1030	31813	7
821127	1130	31845	10

MAXIMUM 24

ARITH MEAN 13

GEOM MEAN 11

MINIMUM 7

STD DEV (GEOM \*) 7

# SAMP IN STATISTICS 5

% SAMP (EXCLUDED)

B.O.W./ SITE: SERPENT RIVER

SAMPLE POINT: AT QUIRKE LAKE OUTLET 26 1

STATION TYPE: RIVER FLOW GAUGE FED 02CD003

STATION ID: 14-0019-049-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SERPENT RIVER

STORET CODE: 02

002

8040

LAT: 46 29 14.25 LONG: 082 29 20.01

U T M: 17 0385725.0 5149050.0 4

REGION: 05

DISTANCE: 77.890

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWFLOW	FWSTRC	FWTEMP
				ALK	INFLECTN	CONDUCT.	COPPER	IRON	STREAM		
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	POINT	25C	UNF.TOT.	UNF.TOT.	FLOW		WATER
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	M3	STREAM	TEMP
			CODE	AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE	/S	COND.	DEG.C
820424	1500	31664	0101	5.9		220.0	0.003	0.090	12.900		
820521	1300	31697	0101	4.4		306.0	0.003	0.080	12.100	8	16.0
820624	1200	31725	0101	3.4		442.0	0.014	0.055	2.850	8	18.0
820729	1200	31756	0101	3.0		469.0	0.009	0.020	1.420	8	24.0
820930	1200	31802	0101	3.6	1.49	443.0	0.007	0.020<T	3.990	8	15.0
821031	1100	31839	0101	5.6	2.51	423.0	0.009	0.030<T	12.100	8	8.0
821130	1700	31872	0101	5.2	2.46	482.0	0.009	0.030<T	8.730	8	4.0
821229	1000	31900	0101		2.60	449.0	0.010		9.610	2	
		MAXIMUM	0.30	5.9	2.60	482.0	0.014	0.090	12.900		24.0
		ARITH MEAN	0.30	4.4	2.26	404.2	0.008	0.046<A	7.962		14.2
		GEOM MEAN		4.3	2.21	392.7	0.007	0.039<A	6.324		12.2
		MINIMUM	0.30	3.0	1.49	220.0	0.003	0.020	1.420		4.0
		STD DEV (GEOM *)		1.1	0.52	91.9	0.004	0.029<A	4.577		7.2
		# SAMP IN STATISTICS	8	7	4	8	8	7	8		6
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		GACF	GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	
		GROSS	GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		
SAMPLE DATE	HOUR	ALPHA CT	ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.TOT.	UNF.TOT.	PH	
YYMMDD	LMT	MBQ/L	UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L		
			MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB		
820424	1500	31664	540	46	350	44	0.002<	1.290	3.650	1.58	0.003<	6.521
820521	1300	31697	690	100	450	120	0.0'3	2.250	5.250	2.80	0.003<	6.630
820624	1200	31725	880	72	420	90	0.004	3.250	8.000	8.30	0.003	6.550
820729	1200	31756					0.006	3.600	8.750	3.30	0.007	6.73
820930	1200	31802	1000	40<	630	40<	0.004	3.100	8.500	3.35	0.005	6.436
821031	1100	31839	890	40<	480	40<	0.004	2.950	7.750		0.008	6.734
821130	1700	31872					0.005	3.550	8.930	3.650	0.009	6.793
821229	1000	31900	250	70	250	90	0.005		8.250		0.012	6.811
		MAXIMUM	1000	100	630	120	0.006	3.600	8.930	8.30	0.012	6.811
		ARITH MEAN	708	72	430	86	0.004	2.856	7.385	3.83	0.007	6.65
		GEOM MEAN	646		414			2.720	7.107	3.38		6.65
		MINIMUM	250	46	250	44	0.003	1.290	3.650	1.58	0.003	6.436
		STD DEV (GEOM *)	278		128			0.824	1.900	2.31		0.14
		# SAMP IN STATISTICS	6	4	6	4	7	7	8	6	6	8
		% SAMP (EXCLUDED)		33		33	12			25		

(CONT'D)

B.O.W./ SITE: SERPENT RIVER

STATION ID: 14-0019-049-02

SAMPLE POINT: AT QUIRKE LAKE OUTLET 26 1

STATION TYPE: RIVER FLOW GAUGE FED 02CD003

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 29 14.25 LONG: 082 29 20.01

U T M: 17 0385725.0 5149050.0 4

REGION: 05

DISTANCE: 77.890

*INTERIM TEST-NAME:		PPUT	RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
		PHOSPHOR		SULPHATE		URANIUM		ZINC	
SAMPLE		UNF.TOT.	RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	MG/L	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	AS P	MBQ/L	AS S04	FTU	AS U	UG/L	AS ZN	
820424	1500	31664	0.001<T	42	69.0	0.57	0.007	7	0.016
820521	1300	31697	0.023	74	115.0	2.90	0.012	8	0.014
820624	1200	31725	0.007	83	157.0	0.44		10	0.016
820729	1200	31756	0.003		171.0	0.37	0.015		0.013
820930	1200	31802	0.003<T	70	142.5	0.31	0.012	10	0.013
821031	1100	31839	0.002<T	90	148.20	0.44	0.012	11	0.011
821130	1700	31872	0.003<T		168.30	0.32	0.012		0.016
821229	1000	31900	0.002<T	50		0.36	0.112	3<	0.018
MAXIMUM		0.023	90	171.0	2.90	0.112	11	0.018	
ARITH MEAN		0.005<A	68	138.7	0.71	0.026	9	0.015	
GEOM MEAN		0.003<A	66	133.5	0.50	0.016		0.014	
MINIMUM		0.001	42	69.0	0.31	0.007	7	0.011	
STD DEV (GEOM *)		0.007<A	19	36.0	0.89	0.038		0.002	
# SAMP IN STATISTICS		8	6	7	8	7	5	8	
% SAMP (EXCLUDED)							16		

B.O.W./ SITE: QUIRKE MINE TAILINGS  
 SAMPLE POINT: TREATED QUIRKE TAILINGS EFFLUENT  
 STATION TYPE: LAKE

STATION ID: 14-0019-051-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 30.32 LONG: 082 39 14.50

U T M: 17 0373100.0 5151650.0 4

REGION: 05

DISTANCE: 89.799

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
				ALK	INFLECTN	ALUMINUM	ARSENIC	CONDUCT.	COPPER	IRON	
SAMPLE DATE	HR	SAMPLE	PROJECT	TOTAL	POINT	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	UNF.TOT.	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	COND.
			CODE	AS CAC03	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS FE	
820130		31620	0101	40		0.690	0.001<	3850	0.017	1.44	
820226		31641	0101	35.0		0.420	0.001<	4180.0	0.020	1.540	
820423	1200	31661	0101	35.6					0.018	0.925	
820520	1500	31690	0101	16.8				3370.0	0.010	2.710	8
820623	1430	31718	0101	19.8				1130.0			8
820728	1430	31750	0101	5.8				2970.0	0.022	1.495	8
820828	1430	31782	0101	3.0				2960.0	0.018	4.830	8
820929	1430	31796	0101	2.3	-2.80<T			3110.0	0.046	10.100	8
821030	1330	31829	0101	56.2	57.43			2960.0	0.028	2.000	8
821129	1430	31861	0101	43.3	40.00			2570.0	0.009	0.725	8
821229	1000	31893	0101	18.2	15.28			2530.0	0.017	2.875	2
		MAXIMUM	0.30	56.2	57.43	0.690		4180.0	0.046	10.100	
		ARITH MEAN	0.30	25	27.48<A	0.555		2963	0.020	2.86	
		GEOM MEAN		17		0.538		2824	0.019	2.10	
		MINIMUM	0.30	2.3	-2.80	0.420		1130.0	0.009	0.725	
		STD DEV (GEOM *)		18		0.191		827	0.010	2.81	
		# SAMP IN STATISTICS	11	11	4	2		10	10	10	
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		FWTEMP	GACF	GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP	MNUT
			GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	MANGANESE
SAMPLE DATE	HR	SAMPLE	WATER	ALPHA CT	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	UNF.TOT.
YYMMDD	LMT	NUMBER	TEMP	FILTERED	FILTERED	UNDISSOL	UNDISSOL	FILTERED	FILTERED	UNDISSOL	MG/L
			DEG.C	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	MBQ/L	AS MN
820130		31620		150		150		170		61	0.400
820226		31641			6000		6300				0.490
820423	1200	31661			7800		3000				
820520	1500	31690	18.0		5300		3800				
820623	1430	31718	18.0		6100		170				
820728	1430	31750	25.0		2300		840				
820828	1430	31782	16.0		8800		2300				
820929	1430	31796	14.0		18000		880				
821030	1330	31829	8.0		8900		2600				
821129	1430	31861	3.0								
821229	1000	31893	1.0		6600		3400				



B.O.W./ SITE: QUIRKE MINE TAILINGS  
 SAMPLE POINT: TREATED QUIRKE TAILINGS EFFLUENT  
 STATION TYPE: LAKE

STATION ID: 14-0019-051-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 30.32 LONG: 082 39 14.50

U T M: 17 0373100.0 5151650.0 4

REGION: 05

DISTANCE: 89.799

*=INTERIM TEST-NAME:		FWTEMP	GACF GROSS ALPHA CT FILTERED PCI/L	GACF GROSS ALPHA CT FILTERED MBQ/L	GACP GROSS ALPHA CT UNDISSOL PCI/L	GACP GROSS ALPHA CT UNDISSOL MBQ/L	GBCF GROSS BETA CT FILTERED PCI/L	GBCF GROSS BETA CT FILTERED MBQ/L	GBCP GROSS BETA CT UNDISSOL PCI/L	GBCP GROSS BETA CT UNDISSOL MBQ/L	MNUT MANGANSE UNF.TOT. MG/L AS MN	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C									
		MAXIMUM	25.0	150	18000	150	6300	170	6900	61	2800	0.490
		ARITH MEAN	12.9	150	7756	150	2588	170	4389	61	1818	0.445
		GEOM MEAN	9.0		6831		1784		4040		1575	0.443
		MINIMUM	1.0	150	2300	150	170	170	1500	61	500	0.400
		STD DEV (GEOM *)	8.2		4334		1870		1708		820	0.064
		# SAMP IN STATISTICS	8	1	9	1	9	1	9	1	9	2
		% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N	NNO3FR NO3-N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	NICKEL UNF.TOT. MG/L AS NI									
820130		31620	0.019	10.900	118.000	3.6000	118.000	119.00	0.014	8.28	0.0430	0.170
820226		31641	0.014	128.000	128.000	2.9500	125.000	32.00	0.006	8.07	0.0030	0.033
820423	1200	31661	0.017					110.00	0.003<	8.049		0.003<T
820520	1500	31690	0.020		8.600			87.50	0.003<	7.430		0.048
820623	1430	31718		9.250	20.000			17.50		7.390		0.009
820728	1430	31750	0.051	60.000	57.500			60.00	0.021	6.93		0.005
820828	1430	31782	0.100					58.50	0.006	5.540		0.006
820929	1430	31796	0.140	62.500	65.000			69.0	0.003<	4.537		0.003<T
821030	1330	31829	0.019	55.500	50.000				0.011	8.380		0.005
821129	1430	31861	0.007	50.500	135.000			51.000	0.003<	8.181		0.003<T
821229	1000	31893	0.044	60.0	50.000			60.000	0.003<	7.411		0.009
		MAXIMUM	0.140	128.000	135.000	3.6000	125.000	119.00	0.021	8.380	0.0430	0.170
		ARITH MEAN	0.043	54.6	71.344	3.2750	121.500	66.4	0.012	7.29	0.0230	0.027<A
		GEOM MEAN	0.029	41.1	54.043	3.2588	121.449	58.6		7.18	0.0114	0.010<A
		MINIMUM	0.007	9.250	8.600	2.9500	118.000	17.50	0.006	4.537	0.0030	0.003
		STD DEV (GEOM *)	0.044	36.8	45.864	0.4596	4.950	31.8		1.22	0.0283	0.050<A
		# SAMP IN STATISTICS	10	8	9	2	2	10	5	11	2	11
		% SAMP (EXCLUDED)							50			

B.O.W./ SITE: QUIRKE MINE TAILINGS  
 SAMPLE POINT: TREATED QUIRKE TAILINGS EFFLUENT  
 STATION TYPE: LAKE

STATION ID: 14-0019-051-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 30.32 LONG: 082 39 14.50

U T M: 17 0373100.0 5151650.0 4

REGION: 05

DISTANCE: 89.799

*INTERIM TEST-NAME:		RA226F	RA226F	RSF	RSP	SS04UR SULPHATE	TURB	UUUT URANIUM	UU238	ZNUT ZINC
SAMPLE DATE	HOUR YYMMDD LMT	RADIUM 226 FIL. PCI/L	RADIUM 226 FIL. MBQ/L	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	UNF.REAC MG/L AS S04	TURB'ITY FTU	UNF.TOT. MG/L AS U	URANIUM 238 UG/L	UNF.TOT. MG/L AS ZN
820130		31620	1	3205.0	7.000	1667.0			86	0.014
820226		31641	40<	3238	13.5	2033.0			96	0.004
820423	1200	31661	50			1620.0	4.10	0.140	130	0.008
820520	1500	31690	48			1640.0	19.10	0.048	68	0.010
820623	1430	31718	40<			526.0	1.37		100	
820728	1430	31750	43			1880	10.50		32	0.025
820828	1430	31782	40<			2165.0	34.00	0.220	130	0.050
820929	1430	31796	120			1514.0	38.00	0.300	290	0.079
821030	1330	31829	780			1381.00	4.10	0.130	150	0.003
821129	1430	31861				1279.00	3.20	0.115		0.003
821229	1000	31893	890			1231.00	6.00	0.076	110	0.008
MAXIMUM		1	890	3238	13.5	2165.0	38.00	0.300	290	0.079
ARITH MEAN		1	322	3221	10.2	1540	13.37	0.147	119	0.020
GEOM MEAN				3221	9.7	1458	7.86	0.126	104	0.011
MINIMUM		1	43	3205.0	7.000	526.0	1.37	0.048	32	0.003
STD DEV (GEOM *)			23	4.6	447	13.91	0.087	69	10	0.025
# SAMP IN STATISTICS		1	6	2	2	11	9	7	10	10
% SAMP (EXCLUDED)			33							

B.O.W./ SITE: MAY LAKE  
 SAMPLE POINT: SOUTH END OF MAY LAKE 33 3  
 STATION TYPE: LAKE

STATION ID: 14-0019-054-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 25 38.35 LONG: 082 28 51.88 U T M: 17 0386200.0 5142375.0 4 REGION: 05 DISTANCE: 61.636

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN	COND25	CUUT	FEUT	FWPH	FWTEMP	GACF
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	POINT MG/L AS CAC03	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	PH FIELD	WATER TEMP DEG.C	GROSS ALPHA CT FILTERED MBQ/L
820603	1225	34562	0101	11.0	8.50	275.0	0.004	0.055	7.26	17.0	
821101		34577	0101	24.1	4.92	387.0	0.008	0.020<T	6.89		690
MAXIMUM		0.30		24.1	8.50	387.0	0.008	0.055	7.26	17.0	690
ARITH MEAN		0.30		17.5	6.71	331.0	0.006	0.037<A	7.07	17.0	690
GEOM MEAN				16.3	6.47	326.2	0.006	0.033<A	7.07		
MINIMUM		0.30		11.0	4.92	275.0	0.004	0.020	6.89	17.0	690
STD DEV (GEOM *)				9.3	2.53	79.2	0.003	0.025<A	0.26		
# SAMP IN STATISTICS		1		2	2	2	2	2	2	1	1
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PPUT
SAMPLE DATE YYMMDD	HOUR LMT	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHOSPHOR UNF.TOT. MG/L AS P
820603	1225	34562	40<	230	40<	0.002	0.266	0.225	0.45	0.003<	7.32
821101		34577	40	410	40<	0.004	0.480	0.290	0.60	0.008	7.00
MAXIMUM		40	410		0.004	0.480	0.290	0.60	0.008	7.32	0.007
ARITH MEAN		40	320		0.003	0.373	0.257	0.52	0.008	7.16	0.004<A
GEOM MEAN			307		0.003	0.357	0.255	0.52		7.16	0.004<A
MINIMUM		40	230		0.002	0.266	0.225	0.45	0.008	7.00	0.002
STD DEV (GEOM *)			127		0.001	0.151	0.046	0.11		0.23	0.004<A
# SAMP IN STATISTICS		1	2		2	2	2	2	1	2	2
% SAMP (EXCLUDED)		50							50		

B.O.W./ SITE: MAY LAKE  
 SAMPLE POINT: SOUTH END OF MAY LAKE 33 3  
 STATION TYPE: LAKE

STATION ID: 14-0019-054-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 25 38.35 LONG: 082 28 51.88

U T M: 17 0386200.0 5142375.0 4

REGION: 05

DISTANCE: 61.636

*=INTERIM TEST-NAME:		RA226F	SS04UR SULPHATE	TURB	UUUT URANIUM	UU238 URANIUM	ZNUT ZINC
SAMPLE DATE HOUR	SAMPLE YMMDD LMT	226 FIL. RADIUM MBQ/L	UNF.REAC MG/L AS S04	TURB'ITY FTU	UNF.TOT. MG/L AS U	238 UG/L	UNF.TOT. MG/L AS ZN
820603 1225	34562		82.5	0.75	0.01 <W	19	0.006
821101	34577	180	109.2	0.30	0.002	3	0.009
MAXIMUM		180	109.2	0.75	0.01	19	0.009
ARITH MEAN		180	95.8	0.52	0.01 <A	11	0.007
GEOM MEAN			94.9	0.47	0.00 <A	8	0.007
MINIMUM		180	82.5	0.30	0.002	3	0.006
STD DEV (GEOM *)			18.9	0.32	0.01 <A	11	0.002
# SAMP IN STATISTICS		1	2	2	2	2	2
% SAMP (EXCLUDED)							

B.O.W./ SITE: MAY LAKE  
 SAMPLE POINT: NORTH END OF MAY LAKE 33 1  
 STATION TYPE: LAKE

STATION ID: 14-0019-055-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 26 42.52 LONG: 082 29 40.48 U T M: 17 0385200.0 5144375.0 4 REGION: 05 DISTANCE: 64.372

*=-INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN	COND25 CONDUCT. 25C	CUUT	FEUT	FWPH	FWTEMP	GACF
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	PH FIELD	WATER TEMP DEG.C	GROSS ALPHA CT FILTERED MBQ/L
820603	1235	34563	0.30	0101	22.2	646.0	0.012	0.070	7.96	16.0	350
821101		34578		0101	10.40	841.0	0.011	0.035<T	7.23		450
MAXIMUM		0.30			22.2	841.0	0.012	0.070	7.96	16.0	450
ARITH MEAN		0.30			22.2	743.5	0.011	0.052<A	7.59	16.0	400
GEOM MEAN						737.1	0.011	0.049<A	7.59		397
MINIMUM		0.30			22.2	646.0	0.011	0.035	7.23	16.0	350
STD DEV (GEOM *)						137.9	0.001	0.025<A	0.52		71
# SAMP IN STATISTICS		1			1	2	2	2	2	1	2
% SAMP (EXCLUDED)											

*=-INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PPUT
SAMPLE DATE YYMMDD	HOUR LMT	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHOSPHOR UNF.TOT. MG/L AS P
820603	1235	34563	40<	310	40<	0.004	0.780	0.570	0.96	0.004	7.74
821101		34578	94	470	51	0.003	0.920	0.595	1.06	0.009	7.35
MAXIMUM		94	470	51	0.004	0.920	0.595	1.06	0.009	7.74	0.007
ARITH MEAN		94	390	51	0.003	0.850	0.582	1.01	0.006	7.54	0.004<A
GEOM MEAN			382		0.003	0.847	0.582	1.01	0.006	7.54	0.003<A
MINIMUM		94	310	51	0.003	0.780	0.570	0.96	0.004	7.35	0.001
STD DEV (GEOM *)			113		0.001	0.099	0.018	0.07	0.004	0.28	0.004<A
# SAMP IN STATISTICS		1	2	1	2	2	2	2	2	2	2
% SAMP (EXCLUDED)		50		50							

B.O.W./ SITE: MAY LAKE  
 SAMPLE POINT: NORTH END OF MAY LAKE 33 1  
 STATION TYPE: LAKE

STATION ID: 14-0019-055-01

MAJOR BASIN: GRE'T LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 26 42.52 LONG: 082 29 40.48

U T M: 17 0385200.0 5144375.0 4

REGION: 05

DISTANCE: 64.372

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT
			SULPHATE		URANIUM		ZINC
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L
YYMMDD	LMT	NUMBER	AS SO4	FTU	AS U	UG/L	AS ZN
820603	1235	34563	60	187.0	1.13	0.01 <W	3< 0.004
821101		34578	140	217.0	0.58	0.003	3< 0.006
		MAXIMUM	140	217.0	1.13	0.01	0.006
		ARITH MEAN	100	202.0	0.85	0.01 <A	0.005
		GEOM MEAN	92	201.4	0.81	0.01 <A	0.005
		MINIMUM	60	187.0	0.58	0.003	0.004
		STD DEV (GEOM *)	57	21.2	0.39	0.00 <A	0.001
		# SAMP IN STATISTICS	2	2	2		2
		% SAMP (EXCLUDED)					

B.O.W./ SITE: PANEL CREEK  
 SAMPLE POINT: AT QUIRKE LAKE P11  
 STATION TYPE: RIVER

STATION ID: 14-0019-056-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 30 11.16 LONG: 082 33 07.95 U T M: 17 0380900.0 5150900.0 4 REGION: 05 DISTANCE: 79.500

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	FWSTRC	FWTEMP	GACF	GACP	GBCF	
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALK INFLECTN POINT MG/L AS CAC03	CONDUCT. 25C UMHO/CM AT 25 C	STREAM COND.	WATER TEMP DEG.C	GROSS ALPHA CT FILTERED MBQ/L	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L
820729	1300	31757	0.30	0101	9.3		122.0	8	25.0	250	160	200
820829	1300	31789	0.30	0101	15.7		127.0	8	20.0	570	190	360
820930	1300	31803	0.30	0101	5.1	2.06	70.5	8	14.0	450	170	240
821031	1200	31836	0.30	0101		1.48	83.9	8	8.0	930	140	210
821130	1300	31868	0.30	0101		3.03	63.8	8	4.0	400	70	150
821229	1000	31901	0.30	0101		2.14	51.0	2	1.0	90	80	90
MAXIMUM		0.30			15.7	3.03	127.0		25.0	930	190	360
ARITH MEAN		0.30			10.0	2.18	86.4		12.0	448	135	208
GEOM MEAN					9.1	2.11	81.7		7.8	359	126	191
MINIMUM		0.30			5.1	1.48	51.0		1.0	90	70	90
STD DEV (GEOM *)					5.3	0.64	31.4		9.4	289	49	91
# SAMP IN STATISTICS		6			3	4	6		6	6	6	6
% SAMP (EXCLUDED)												

*INTERIM TEST-NAME:		GBCP	NNHTFR NH3-N	NNOTFR	NNTKUR K'DAHL N	PH	PPUT	RA226F	SS04UR	TURB	UUUT
SAMPLE DATE	YMMDD LMT	GROSS BETA CT UNDISSOL MBQ/L	FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	PH	PHOSPHOR UNF.TOT. MG/L AS P	RADIUM 226 FIL. MBQ/L	SULPHATE UNF.REAC MG/L AS S04	TURB'ITY FTU	URANIUM UNF.TOT. MG/L AS U
820729	1300	88	0.102	0.025	1.38	6.84	0.115	67	32.7	0.62	
820829	1300	130	0.098	0.135	0.54	7.310	0.021	70	26.5	9.60	
820930	1300	90	0.042	0.020	0.55	6.425	0.010	120	15.8	1.82	
821031	1200	70	0.036	0.040	0.310	6.443	0.006	160	25.47	1.95	
821130	1300	50	0.038	0.150	0.340	6.631	0.004	80	17.87	1.33	
821229	1000	40<	0.048	0.145	0.240	6.690	0.003<T	40<	13.42	0.83	0.004
MAXIMUM		130	0.102	0.150	1.38	7.310	0.115	160	32.7	9.60	0.004
ARITH MEAN		86	0.061	0.086	0.56	6.72	0.026<A	99	22.0	2.69	0.004
GEOM MEAN			0.055	0.062	0.47	6.72	0.011<A		20.9	1.69	
MINIMUM		50	0.036	0.020	0.240	6.425	0.003	67	13.42	0.62	0.004
STD DEV (GEOM *)			0.031	0.064	0.42	0.33	0.044<A		7.4	3.42	
# SAMP IN STATISTICS		5	6	6	6	6	6	5	6	6	1
% SAMP (EXCLUDED)		16						16			

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 225

B.O.W./ SITE: PANEL CREEK  
SAMPLE POINT: AT QUIRKE LAKE P11  
STATION TYPE: RIVER

STATION ID: 14-0019-056-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 30 11.16 LONG: 082 33 07.95

U T M: 17 0380900.0 5150900.0 4

REGION: 05

DISTANCE: 79.500

\*=INTERIM TEST-NAME: UU238

SAMPLE DATE	HOUR	SAMPLE NUMBER	URANIUM 238 UG/L
820729	1300	31757	3<
820829	1300	31789	4
820930	1300	31803	3<
821031	1200	31836	11
821130	1300	31868	4
821229	1000	31901	3<
MAXIMUM			11
ARITH MEAN			6
GEOM MEAN			
MINIMUM			4
STD DEV (GEOM *)			
# SAMP IN STATISTICS			3
% SAMP (EXCLUDED)			50



B.O.W./ SITE: ESTEN LAKE  
 SAMPLE POINT: CENTRAL PART OF ESTEN LAKE 49.1  
 STATION TYPE: LAKE

STATION ID: 14-0019-067-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 21 04.28 LONG: 082 41 50.51 U T M: 17 0369400.0 5134250.0 4 REGION: 05 DISTANCE: 60.188

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN POINT	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF.TOT. MG/L AS CU	FEUT IRON UNF.TOT. MG/L AS FE	FWPH PH FIELD	FWTEMP WATER TEMP DEG.C	GACF GROSS ALPHA CT FILTERED MBQ/L
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CUUT COPPER UNF.TOT. MG/L AS CU	FEUT IRON UNF.TOT. MG/L AS FE	FWPH PH FIELD	FWTEMP WATER TEMP DEG.C	GACF GROSS ALPHA CT FILTERED MBQ/L
820603	1350	34564	0.30	0101	10.4	119.5	0.001	0.020<T	9.25	17.0	560
821101		34579		0101	12.1	129.0	0.002	0.035<T	7.02		170
MAXIMUM		0.30			12.1	129.0	0.002	0.035	9.25	17.0	560
ARITH MEAN		0.30			11.2	124.2	0.001	0.027<A	8.13	17.0	365
GEOM MEAN					11.2	124.2	0.001	0.026<A	8.06		309
MINIMUM		0.30			10.4	119.5	0.001	0.020	7.02	17.0	170
STD DEV (GEOM *)					1.2	6.7	0.001	0.011<A	1.58		276
# SAMP IN STATISTICS		1			2	2	2	2	2	1	2
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PPUT PHOSPHOR UNF.TOT. MG/L AS P	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	PH	PPUT PHOSPHOR UNF.TOT. MG/L AS P
820603	1350	34564	40<	64	40<	0.002	0.082	0.005<W	0.36	0.003<	7.38	0.022
821101		34579	40<	77	40<	0.001	0.056	0.085	0.34	0.004	7.14	0.019
MAXIMUM				77		0.002	0.082	0.085	0.36	0.004	7.38	0.022
ARITH MEAN				70		0.001	0.069	0.045<A	0.35	0.004	7.26	0.020
GEOM MEAN				70		0.001	0.068	0.021<A	0.35		7.26	0.020
MINIMUM				64		0.001	0.056	0.005	0.34	0.004	7.14	0.019
STD DEV (GEOM *)				9		0.001	0.018	0.057<A	0.01		0.17	0.002
# SAMP IN STATISTICS				2		2	2	2	2	1	2	2
% SAMP (EXCLUDED)									50			

B.O.W./ SITE: ESTEN LAKE

STATION ID: 14-0019-067-01

SAMPLE POINT: CENTRAL PART OF ESTEN LAKE 49 1

STATION TYPE: LAKE

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SERPENT RIVER

8040

LAT: 46 21 04.28 LONG: 082 41 50.51

U T M: 17 0369400.0 5134250.0 4

REGION: 05

DISTANCE: 60.188

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT
			SULPHATE		URANIUM		ZINC
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
DATE	226 FIL.			TURB'ITY	MG/L	238	MG/L
HHMMSS LMT	MBQ/L	AS S04	FTU	AS U	UG/L	AS ZN	
820603 1350	34564	40<	27.5	1.93	0.01 <W	10	0.010
821101	34579	40<	26.1	0.97	0.001	3	0.003
MAXIMUM			27.5	1.93	0.01	10	0.010
ARITH MEAN			26.8	1.45	0.01 <A	6	0.006
GEOM MEAN			26.8	1.37	0.00 <A	5	0.005
MINIMUM			26.1	0.97	0.001	3	0.003
STD DEV (GEOM *)			1.0	0.68	0.01 <A	5	0.005
# SAMP IN STATISTICS			2	2	2	2	2
% SAMP (EXCLUDED)							

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

[illegible][illegible]

B.O.W./ SITE: ORIENT LAKE OUTLET  
 SAMPLE POINT: AT LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-070-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 27 30.74 LONG: 082 31 10.88

U T M: 17 0383300.0 5145900.0 4

REGION: 05

DISTANCE: 85.400

*INTERIM TEST-NAME:		FWTEMP	GACF GROSS	GACF GROSS	GACP GROSS	GACP GROSS	GBCF GROSS	GBCF GROSS	GBCP GROSS	GBCP GROSS	MNUT MANGANSE
SAMPLE DATE	TIME	WATER TEMP	ALPHA CT FILTERED	ALPHA CT FILTERED	ALPHA CT UNDISSOL	ALPHA CT UNDISSOL	BETA CT FILTERED	BETA CT FILTERED	BETA CT UNDISSOL	BETA CT UNDISSOL	UNF.TOT. MG/L
YYMMDD	LMT	DEG.C	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	AS MN
		MAXIMUM	21.0	13	4400		1100	6	480		0.012
		ARITH MEAN	12.4	13	1681		321	6	281		0.011
		GEOM MEAN	8.6		1115				266		0.011
		MINIMUM	1.0	13	180		50	6	150		0.010
		STD DEV (GEOM *)	8.3		1365				98		0.001
		# SAMP IN STATISTICS	7	1	9		8	1	9		2
		% SAMP (EXCLUDED)					11				22

*INTERIM TEST-NAME:		NIUT	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PBUT	PH	PP04FR	PPUT	
SAMPLE DATE	TIME	NICKEL UNF.TOT.	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	NO3-N FIL.REAC	TOTAL FIL.TOT.	LEAD UNF.TOT.		P04 FIL.REAC	PHOSPHOR UNF.TOT.	
YYMMDD	LMT	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB	PH	MG/L AS P	MG/L AS P	
820128		31612	0.004	4.200	8.150	0.200	7.950	4.75	0.003<	11.92	0.001<T	0.050
820228		31633	0.004	4.700	8.000	0.195	7.800	4.60	0.024	11.72	0.001<T	0.023
820422	1500	31654	0.019	1.700	1.650			2.00	0.003<	11.132		0.008
820520	1100	31685	0.010U	2.700	6.500			3.63	0.003<	11.170		0.020
820623	1000	31713	0.019	1.420	6.250			1.60	0.014	7.630		0.007
820727	1000	31743	0.018	1.080	7.300			1.27	0.003<	7.87		0.012
820828	1000	31775	0.002	0.700	4.550			0.82	0.004	7.700		0.003<T
820929	1000	31789	0.032	1.040	7.000			1.12	0.014	4.285		0.015
821030	0900	31823	0.013	2.750	6.000			3.000	0.004	7.715		0.002<T
821129	1000	31855	0.010	2.80	4.400			3.200	0.008	7.799		0.002<T
821228	1000	31887	0.007	4.7	6.000			4.700	0.003<	8.622		0.004
		MAXIMUM	0.032	4.7	8.150	0.200	7.950	4.75	0.024	11.92	0.001	0.050
		ARITH MEAN	0.013	2.5	5.982	0.197	7.875	2.79	0.011	8.87	0.001<A	0.013<A
		GEOM MEAN	0.010	2.1	5.573	0.197	7.875	2.37		8.55	0.001<A	0.008<A
		MINIMUM	0.002	0.700	1.650	0.195	7.800	0.82	0.004	4.285	0.001	0.002
		STD DEV (GEOM *)	0.009	1.5	1.876	0.004	0.106	1.51		2.35	0.000<A	0.014<A
		# SAMP IN STATISTICS	11	11	11	2	2	11	6	11	2	11
		% SAMP (EXCLUDED)						45				

B.O.W./ SITE: ORIENT LAKE OUTLET  
 SAMPLE POINT: AT LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-070-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 27 30.74 LONG: 082 31 10.88 U T M: 17 0383300.0 5145900.0 4 REGION: 05 DISTANCE: 85.400

*=INTERIM TEST-NAME:		RA226F	RA226F	RSF	RSP	SS04UR SULPHATE UNF.REAC MG/L AS S04	TURB	UUUT URANIUM UNF.TOT. MG/L AS U	UU238 URANIUM 238 UG/L	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE NUMBER	RADIUM 226 FIL. PCI/L	RADIUM 226 FIL. MBQ/L	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	TURB'ITY FTU			
820128		31612	1<		2444	20.0	828.0		9	0.003
820228		31633		40<	2336.0	19.900	892.0		9	0.006
820422	1500	31654		40<			550.0	56.00	0.027	3<
820520	1100	31685		40<			970.0	28.00	0.012	3<
820623	1000	31713		40<			1300.0	2.10		44
820727	1000	31743		40<			1570	1.81	0.010	20
820828	1000	31775		220			1065.0	0.71	0.005	15
820929	1000	31789		70			1117.0	44.00	0.033	56
821030	0900	31823		40<			1053.00	1.96	0.018	35
821129	1000	31855		40<			878.80	1.30	0.077	20
821228	1000	31887					960.50	22.00	0.010	0.014
MAXIMUM				220	2444	20.0	1570	56.00	0.077	56
ARITH MEAN				145	2390	19.9	1017	17.54	0.024	26
GEOM MEAN					2389	19.9	985	6.02	0.017	0.017
MINIMUM				70	2336.0	19.900	550.0	0.71	0.005	9
STD DEV (GEOM *)					76	0.1	263	21.17	0.023	0.030
# SAMP IN STATISTICS				2	2	2	11	9	8	11
% SAMP (EXCLUDED)				77					8	20

B.O.W./ SITE: PANEL MINE TAILINGS EFFLUENT  
 SAMPLE POINT: AT TAILINGS TREATMENT EFFLUENT  
 STATION TYPE: RIVER

STATION ID: 14-0019-071-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 31 08.36 LONG: 082 32 30.86

U T M: 17 0381725.0 5152650.0 4

REGION: 05

DISTANCE: 80.000

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	ALUT	ASUT	COND25	CUUT	FEUT	FWSTRC
				ALK	INFLECTN	ALUMINUM	ARSENIC	CONDUCT.	COPPER	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	POINT	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	UNF.TOT.	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	COND.
			CODE	AS CAC03	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS FE	
820130		31619	0101	15		0.340	0.001<	2600	0.019	0.20	
820226		31640	0101	33		0.370	0.001<	2790	0.022	0.16	
820423	1830	31660	0101	28.2					0.020U	0.090	
820521	1130	31695	0101	23.7				2010.0	0.006U	0.040<T	8
820624	1000	31723	0101	23.1				1930.0	0.007	0.080	8
820729	1000	31754	0101	19.8				2280.0	0.016	0.075	8
820930	1000	31800	0101	14.9	13.28			2050.0	0.016	0.090	8
821031	0900	31834	0101	14.1	11.47			2300.0	0.024	0.080	8
821130	1000	31866	0101	14.0	10.66			2020.0	0.006	0.100	8
821229	1000	31898	0101	17.5	14.44			2250.0	0.007	0.080	2
MAXIMUM		0.30		33	14.44	0.370		2790	0.024	0.20	
ARITH MEAN		0.30		20	12.46	0.355		2248	0.014	0.10 <A	
GEOM MEAN				19	12.37	0.355		2232	0.012	0.09 <A	
MINIMUM		0.30		14.0	10.66	0.340		1930.0	0.006	0.040	
STD DEV (GEOM *)				7	1.71	0.021		289	0.007	0.05 <A	
# SAMP IN STATISTICS		10		10	4	2		9	10	10	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	GACF	GACF	GACP	GACP	GBCF	GBCF	GBCP	GBCP	MNUT
			GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	GROSS	MANGANSE
SAMPLE DATE	HOUR	WATER	ALPHA CT	ALPHA CT	ALPHA CT	ALPHA CT	BETA CT	BETA CT	BETA CT	BETA CT	UNF.TOT.
YYMMDD	LMT	TEMP	FILTERED	FILTERED	UNDISSOL	UNDISSOL	FILTERED	FILTERED	UNDISSOL	UNDISSOL	MG/L
		DEG.C	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	PCI/L	MBQ/L	AS MN
820130			160		92		110		50		0.460
820226				9200		1320		4600		910	0.370
820423	1830			5100		380		4000		250	
820521	1130	13.0		3300		270		3000		270	
820624	1000	17.0		1400		340		2600		320	
820729	1000	24.0									
820930	1000	13.0		1900		170		3400		90	
821031	0900	8.0		7400		130		2500		150	
821130	1000	4.0		750		460		720		220	
821229	1000	1.0									
MAXIMUM		24.0	160	9200	92	1320	110	4600	50	910	0.460
ARITH MEAN		11.4	160	4150	92	439	110	2974	50	316	0.415
GEOM MEAN		8.1		3019		334		2633		248	0.413
MINIMUM		1.0	160	750	92	130	110	720	50	90	0.370
STD DEV (GEOM *)		7.8		3211		405		1247		273	0.064
# SAMP IN STATISTICS		7	1	7	1	7	1	7	1	7	2
% SAMP (EXCLUDED)											

(CONT'D)

B.O.W./ SITE: PANEL MINE TAILINGS EFFLUENT  
SAMPLE POINT: AT TAILINGS TREATMENT EFFLUENT  
STATION TYPE: RIVER

STATION ID: 14-0019-071-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 31 08.36 LONG: 082 32 30.86 U T M: 17 0381725.0 5152650.0 4 REGION: 05 DISTANCE: 80.000

*INTERIM		TEST-NAME:	NIUT	NNHTFR NH3-N	NNOTFR	NN02FR	NN03FR	NNTKUR K'DAHL N	PBUT	PH	PP04FR	PPUT
			NICKEL UNF. TOT.	TOTAL FIL. REAC	N02+N03N FIL. REAC	N02-N FIL. REAC	N03-N FIL. REAC	TOTAL FIL. TOT.	LEAD UNF. TOT.		P04 FIL. REAC	PHOSPHOR UNF. TOT.
SAMPLE DATE	HOUR	SAMPLE	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L
YYMMDD	LMT	NUMBER	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	AS P	AS P
820130		31619	0.012	2.450	14.000		0.180	13.800	2.90	0.003<	7.07	0.011
820226		31640	0.011	4.200	13.200		2.850	10.400	4.80	0.003<	7.80	0.011
820423	1830	31660	0.013U	4.150	13.800				5.00	0.003<	7.616	0.002<T
820521	1130	31695	0.005U	2.750	11.000				3.30	0.003<	8.010	0.004
820624	1000	31723	0.002<	1.770	11.000				1.86	0.003<	7.860	0.005
820729	1000	31754	0.004	1.260	12.750				1.57	0.021	7.56	0.011
820930	1000	31800	0.004	2.060	11.500				2.30	0.013	7.373	0.004
821031	0900	31834	0.007	2.80	13.250				2.800	0.003<	7.373	0.006
821130	1000	31866	0.005	2.650	11.000				3.050	0.003<	7.385	0.002<T
821229	1000	31898	0.005	3.0	13.750				3.000	0.003<	7.457	0.001<N

MAXIMUM	0.013	4.200	14.000	2.850	13.800	5.00	0.021	8.010	0.011	0.092
ARITH MEAN	0.007	2.7	12.525	1.515	12.100	3.06	0.017	7.55	0.007	0.014<A
GEOM MEAN		2.6	12.467	0.716	11.980	2.88		7.55	0.006	0.005<A
MINIMUM	0.004	1.260	11.000	0.180	10.400	1.57	0.013	7.07	0.003	0.001
EV (GEOM *)		0.9	1.263	1.888	2.404	1.11		0.28	0.006	0.028<A
STATISTICS	9	10	10	2	2	10	2	10	2	10
(EXCLUDED)	10						80			

*INTERIM		TEST-NAME:	RA226F	RA226F	RSF	RSP	SS04UR	TURB	UUUT	UU238	ZNUT
SAMPLE			RADIUM	RADIUM	RESIDUE	RESIDUE	SULPHATE		URANIUM		ZINC
DATE	HOUR		226 FIL.	226 FIL.	FILTERED	PARTIC.	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.
YYMMDD	LMT	SAMPLE NUMBER	226 PCI/L	226 MBQ/L	MG/L	MG/L	MG/L	TURB'ITY	MG/L	238	MG/L
							AS SO4	FTU	AS U	UG/L	AS ZN
820130		31619	2		2460	3.0	1314.0			87	0.020
820226		31640		380	2519.0	2.800	1434.0			120	0.009
820423	1830	31660		150			1200.0	1.26	0.085	83	0.014U
820521	1130	31695		110			996.0	0.83	0.030	51	0.008U
820624	1000	31723		68			376.0	0.56		18	0.021
820729	1000	31754					1320	0.46	0.013		0.008
820930	1000	31800		50			893.0	1.06	0.018	25	0.004
821031	0900	31834		120			980.00	0.94	0.054	65	0.004
821130	1000	31866		200			911.00	1.10	0.033	7	0.003
821229	1000	31898					1103.00	0.60	0.048		0.004

MAXIMUM	2	380	2519.0	3.0	1434.0	1.26	0.085	120	0.021
ARITH MEAN	2	154	2489	2.9	1053	0.85	0.040	57	0.009
GEOM MEAN		126	2489	2.9	998	0.81	0.034	42	0.008
MINIMUM	2	50	2460	2.800	376.0	0.46	0.013	7	0.003
EV (GEOM *)		111	42	0.1	302	0.29	0.025	39	0.007

## # SAMP IN STATISTICS

B.O.W./ SITE: GRAVEL PIT LAKE OUTLET  
 SAMPLE POINT: AT NEW OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-072-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 31 07.57 LONG: 082 41 05.92

U T M: 17 0370750.0 5152850.0 4

REGION: 05

DISTANCE: 93.017

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWSTRC	FWTEMP	GACF
				ALK	INFLECTN	CONDUCT.	COPPER	IRON			GROSS
				TOTAL	POINT	25C	UNF.TOT.	UNF.TOT.		WATER	ALPHA CT
SAMPLE	DATE HOUR	SAMPLE	PROJECT	MG/L	MG/L	UMHO/CM	MG/L	MG/L	STREAM	TEMP	MBQ/L
YYMMDD	LMT	NUMBER	SUB-PROJ	AS CAC03	AS CAC03	AT 25 C	AS CU	AS FE	COND.	DEG.C	
820728	1600	31751	0101	13.1		49.8	0.005	0.315	8	23.0	230
820828	1600	31783	0101	13.7		56.3	0.001	0.165	8	17.0	700
820929	1600	31797	0101	9.3	7.15	55.7	0.004	0.315	8	14.0	200
821030	1500	31831	0101	9.1	6.01	44.6	0.001	0.780	8	8.0	180
821129	1600	31863	0101	8.3	5.17	40.3	0.002	1.150	8	3.0	320
821229	1000	31895	0101	0.0	-4.56<T	867.0	0.035	6.500	2		
MAXIMUM		0.30		13.7	7.15	867.0	0.035	6.500		23.0	700
ARITH MEAN		0.30		8.9	3.44<A	185.6	0.008	1.537		13.0	326
GEOM MEAN						79.0	0.003	0.676		10.6	284
MINIMUM		0.30		0.0	-4.56	40.3	0.001	0.165		3.0	180
STD DEV (GEOM *)						333.9	0.013	2.459		7.8	216
# SAMP IN STATISTICS		6		6	4	6	6	6		5	5
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT
		GROSS	GROSS	GROSS	NICKEL	NH <sub>2</sub> -N	NO <sub>2</sub> +NO <sub>3</sub> N	K'DAHL N	LEAD		PHOSPHOR
		ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	UNF.TOT.		UNF.TOT.
SAMPLE	DATE HOUR	UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L
YYMMDD	LMT	MBQ/L	MBQ/L	MBQ/L	AS NI	AS N	AS N	AS N	AS PB	PH	AS P
820728	1600	31751	40<	90	40<	0.001	0.052	0.030	0.28	0.003	0.010
820828	1600	31783	40	50	40<	0.001<	0.066		0.29	0.004	0.008
820929	1600	31797	40<	50	40<	0.001<	0.092	0.200	0.36	0.003<	0.008
821030	1500	31831	40<	40	40<	0.001<	0.094	0.185	0.525	0.003<	0.010
821129	1600	31863	40<	50	40<	0.001<	0.326	0.340	0.390	0.003<	0.007
821229	1000	31895				0.093	5.0	6.750	5.000	0.010	0.030
MAXIMUM		40	90		0.093	5.0	6.750	5.000	0.010	7.450	0.030
ARITH MEAN		40	56		0.047	0.9	1.501	1.14	0.006	6.69	0.012
GEOM MEAN			54			0.2	0.303	0.56		6.58	0.011
MINIMUM		40	40		0.001	0.052	0.030	0.28	0.003	4.233	0.007
STD DEV (GEOM *)			19			2.0	2.936	1.89		1.22	0.009
# SAMP IN STATISTICS		1	5		2	6	5	6	3	6	6
% SAMP (EXCLUDED)		80			66				50		



B.O.W./ SITE: GRAVEL PIT LAKE OUTLET  
 SAMPLE POINT: AT NEW OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0019-072-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 31 07.57 LONG: 082 41 05.92 U T M: 17 0370750.0 5152850.0 4 REGION: 05 DISTANCE: 93.017

*=INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820728	1600	31751	40<	8.7	2.70	0.001	3	0.002
820828	1600	31783	40<	7.7	1.96	0.001<	4	0.001
820929	1600	31797	40<	8.0	2.20	0.001	3	0.005
821030	1500	31831	40<	7.79	1.82	0.001	3	0.006
821129	1600	31863	40<	6.78	2.00	0.001<	6	0.006
821229	1000	31895		429.50	26.00	0.003		0.180
MAXIMUM				429.50	26.00	0.003	6	0.180
ARITH MEAN				78.1	6.11	0.001	4	0.033
GEOM MEAN				15.2	3.21		4	0.006
MINIMUM				6.78	1.82	0.001	3	0.001
STD DEV (GEOM *)				172.2	9.75		1	0.072
# SAMP IN STATISTICS				6	6	4	5	6
% SAMP (EXCLUDED)						33		

B.O.W./ SITE: EVANS LAKE OUTLET  
 SAMPLE POINT: AT NEW DIVERSION  
 STATION TYPE: RIVER

STATION ID: 14-0019-073-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 37.89 LONG: 082 39 55.13

U T M: 17 0372200.0 5150050.0 4

REGION: 05

DISTANCE: 95.270

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	COND25	CUUT	FEUT	FWSTRC	FWTEMP	GACF	
				ALK	ALK							
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	TOTAL MG/L AS CAC03	INFLECTN POINT MG/L AS CAC03	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	GROSS ALPHA CT FILTERED MBQ/L
820421	1400	31669	0.30	0101	16.3		59.6	0.002	0.100			270
820520	1300	31687	0.30	0101	17.8		54.5	0.001<	0.065	8	18.0	47
820623	1200	31715	0.30	0101	18.4		55.6	0.006	0.150	8	17.0	130
820728	1200	31746	0.30	0101	19.6		58.9	0.001<	0.060	8	23.0	94
820828	1200	31778	0.30	0101	45.3		129.0	0.002	0.085	8	20.0	250<
820929	1200	31792	0.30	0101	44.7	43.96	151.0	0.009	0.070	8	18.0	90
821030	1100	31826	0.30	0101	19.5	17.11	54.8	0.001<	0.060	8	8.0	260
821129	1200	31858	0.30	0101	21.5	17.52	59.6	0.003	0.075	8	3.0	160
821228	1000	31890	0.30	0101	17.8	16.12	56.1	0.001<	0.055	2		
MAXIMUM		0.30			45.3	43.96	151.0	0.009	0.150		23.0	270
ARITH MEAN		0.30			24.5	23.68	75.5	0.004	0.080		15.3	150
GEOM MEAN					22.7	21.47	69.5		0.076		12.9	
MINIMUM		0.30			16.3	16.12	54.5	0.002	0.055		3.0	47
STD DEV (GEOM *)					11.7	13.53	37.1		0.030		7.1	
# SAMP IN STATISTICS		9			9	4	9	5	9		7	7
% SAMP (EXCLUDED)								44				12

*=INTERIM TEST-NAME:		GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PPUT
					NICKEL	NH3-N	N02+N03N	K'DAHL N	LEAD		PHOSPHOR
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	GROSS ALPHA CT UNDISSOL MBQ/L	GROSS BETA CT FILTERED MBQ/L	GROSS BETA CT UNDISSOL MBQ/L	UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	UNF.TOT. MG/L AS P
820421	1400	31669	40<	82	40<	0.002<	0.278	0.850	0.33	0.003<	0.004
820520	1300	31687	40<	87	40<	0.002<	0.022	0.185	0.21	0.003<	0.005
820623	1200	31715	40<	66	40<	0.001<	0.022	0.120	0.18	0.003<	0.007
820728	1200	31746	40<	72	40<	0.001<	0.032	0.065	0.25	0.003<	0.006
820828	1200	31778	40<	130<	40<	0.001<	0.042	1.200	0.40	0.005	0.015
820929	1200	31792	40<	90	40<	0.001<	0.026	3.750	0.36	0.003<	0.004
821030	1100	31826	40<	60	40<	0.001<	0.030	0.060	0.240	0.003<	0.005
821129	1200	31858	40<	70	40	0.001<	0.008	0.205	0.170	0.003<	0.003<T
821228	1000	31890				0.002<	0.086	0.100	0.290	0.003<	0.004
MAXIMUM				90	40		0.278	3.750	0.40	0.005	0.015
ARITH MEAN				75	40		0.061	0.726	0.27	0.005	0.006<A
GEOM MEAN							0.036	0.267	0.26		0.005<A
MINIMUM				60	40		0.008	0.060	0.170	0.005	0.003
STD DEV (GEOM *)							0.084	1.204	0.08		0.004<A
# SAMP IN STATISTICS				7	1		9	9	9	1	9
% SAMP (EXCLUDED)				12	87					88	

( CONT D )

B.O.W./ SITE: EVANS LAKE OUTLET  
 SAMPLE POINT: AT NEW DIVERSION  
 STATION TYPE: RIVER

STATION ID: 14-0019-073-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 29 37.89 LONG: 082 39 55.13

U T M: 17 0372200.0 5150050.0 4

REGION: 05

DISTANCE: 95.270

*INTERIM TEST-NAME:		RA226F	SS04UR	TURB	UUUT	UU238	ZNUT	
			SULPHATE		URANIUM		ZINC	
SAMPLE		RADIUM	UNF.REAC		UNF.TOT.	URANIUM	UNF.TOT.	
DATE	HOUR	226 FIL.	MG/L	TURB'ITY	MG/L	238	MG/L	
YYMMDD	LMT	NUMBER	AS S04	FTU	AS U	UG/L	AS ZN	
820421	1400	31669	40<	8.2	1.06	0.001<	5	0.008
820520	1300	31687	40<	6.0	1.54	0.001<	3<	0.004
820623	1200	31715	40<	6.3	0.92		3<	0.005
820728	1200	31746	40<	7.1	1.14	0.001	3<	0.001<
820828	1200	31778	40<	12.2	0.99	0.001	4<	0.003
820929	1200	31792	40<	11.8	0.61	0.001	3<	0.003
821030	1100	31826	40<	6.26	0.82	0.001	5	0.001<
821129	1200	31858	40<	6.26	0.85	0.001<	3	0.001
821228	1000	31890		7.05	0.78	0.001		0.001
MAXIMUM				12.2	1.54	0.001	5	0.008
ARITH MEAN				7.9	0.97	0.001	4	0.004
GEOM MEAN				7.6	0.94			
MINIMUM				6.0	0.61	0.001	3	0.001
STD DEV (GEOM *)				2.4	0.27			
# SAMP IN STATISTICS				9	9	5	3	7
% SAMP (EXCLUDED)						37	62	22

B.O.W./ SITE: ESTEN LAKE OUTLET  
 SAMPLE POINT: OUTLET OF ESTEN LAKE DIVERSION  
 STATION TYPE: RIVER

STATION ID: 14-0019-074-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SERPENT RIVER

STORET CODE: 02  
 002  
 8040

LAT: 46 20 39.40 LONG: 082 36 55.01

U T M: 17 0375700.0 5133350.0 4

REGION: 05

DISTANCE: 65.498

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	CLIDUR	COND25	FWSTRC	FWTEMP	GACF	GACP
				ALK	INFLECTN	CHLORIDE	CONDUCT.			GROSS	GROSS
SAMPLE		SAMPLE	PROJECT	TOTAL	POINT	UNF.REAC	25C		WATER	ALPHA CT	ALPHA CT
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	STREAM	TEMP	FILTERED	UNDISSOL
YYMMDD	LMT	M	CODE	AS CAC03	AS CAC03	AS CL	AT 25 C	COND.	DEG.C	MBQ/L	MBQ/L
820421	1600	31671	0101	4.4		2.70	43.7			110	40<
820519	1230	31679	0101	5.9		29.40	444.0	8	18.0	130	40<
820622	1000	31707	0101	15.5		57.50	520.0	8	18.0	390	53
820727	1000	31737	0101	30.9		62.00	548.0	8	24.0	190	40<
820828	1000	31770	0101	2.5		63.50	545.0	8	17.0	1200	40<
820929	1000	31783	0101	10.7	7.34	34.00	465.0	8	14.0	330	40
821029	0900	31818	0101		10.18	27.20	569.0	8	0.8	600	40
821128	1000	31850	0101		6.99	25.60	568.0	8	4.0	1300	50
821228	1000	31882	0101		8.36	20.10	591.0	2		110<	70<
MAXIMUM		0.30		30.9	10.18	63.50	591.0		24.0	1300	53
ARITH MEAN		0.30		11.6	8.22	35.78	477.1		13.7	531	46
GEOM MEAN				8.3	8.13	27.35	400.9		9.3		
MINIMUM		0.30		2.5	6.99	2.70	43.7		0.8	110	40
STD DEV (GEOM *)				10.5	1.43	20.88	169.6		8.3		
# SAMP IN STATISTICS		9		6	4	9	9		7	8	4
% SAMP (EXCLUDED)										11	55

*INTERIM TEST-NAME:		GBCF	GBCP	NNHTFR	NNOTFR	NNTKUR	PH	PP04FR	PPUT	RA226F	RSP
		GROSS	GROSS	NH3-N	NO2+NO3N	K'DAHL N		P04	PHOSPHOR		
SAMPLE		BETA CT	BETA CT	TOTAL	FIL.REAC	FIL.TOT.		FIL.REAC	UNF.TOT.	RADIUM	RESIDUE
DATE	HR	FILTERED	UNDISSOL	MG/L	MG/L	MG/L		MG/L	MG/L	226 FIL.	PARTIC.
YYMMDD	LMT	MBQ/L	MBQ/L	AS N	AS N	AS N	PH	AS P	AS P	MBQ/L	MG/L
820421	1600	31671	40<	0.012	0.490	0.88	7.331	0.0050	0.043	40<	9.200
820519	1230	31679	40<	0.006	2.100	1.18	6.710	0.0230	0.083	44	4.620
820622	1000	31707	40<	0.440	4.400	1.35	5.050	0.0160	0.098	43	1.340
820727	1000	31737	40<	4.350	1.000	5.50	7.66	0.0110	0.052	54	1.830
820828	1000	31770	40<	0.340	7.500	1.15	5.160	0.0340	0.102	40<	8.060
820929	1000	31783	40	0.040	3.150	1.63	7.187	0.0005<T	0.080	40	10.700
821029	0900	31818	40<	0.028	2.900	0.460	7.417	0.076	0.076	90	2.860
821128	1000	31850	40<	0.004<T	3.500	0.450	7.173	0.1850	0.260	90	10.800
821228	1000	31882	40<	0.520	1.550	0.925	7.105	0.0050<T	0.037	70<	3.030
MAXIMUM		400	40	4.350	7.500	5.50	7.66	0.1850	0.260	90	10.800
ARITH MEAN		242	40	0.638<A	2.954	1.50	6.75	0.039 <A	0.092	60	5.827
GEOM MEAN				0.078<A	2.283	1.12	6.69	0.014 <A	0.078		4.553
MINIMUM		94	40	0.004	0.490	0.450	5.050	0.0005	0.037	40	1.340
STD DEV (GEOM *)				1.407<A	2.112	1.55	0.97	0.059 <A	0.067		3.857
# SAMP IN STATISTICS		8	1	9	9	9	9	9	9	6	9
% SAMP (EXCLUDED)		11	88							33	

( C O N T D )

B.O.W./ SITE: ESTEN LAKE OUTLET  
SAMPLE POINT: OUTLET OF ESTEN LAKE DIVERSION  
STATION TYPE: RIVER

STATION ID: 14-0019-074-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SERPENT RIVER

STORET CODE: 02  
002  
8040

LAT: 46 20 39.40 LONG: 082 36 55.01 U T M: 17 0375700.0 5133350.0 4 REGION: 05 DISTANCE: 65.498

*=INTERIM TEST-NAME:		SS04UR	TURB	UUUT	UU238	
		SULPHATE		URANIUM		
		UNF.REAC		UNF.TOT.		
SAMPLE		MG/L	TURB'ITY	MG/L	238	
DATE	HOUR	AS S04	FTU	AS U	UG/L	
YYMMDD	LMT	NUMBER				
820421	1600	31671	7.4	4.90	0.001<	3<
820519	1230	31679	151.0	4.30	0.001<	3<
820622	1000	31707	142.0	1.44		6
820727	1000	31737	134.0	1.68	0.002	3<
820828	1000	31770	116.7	2.40	0.002	17
820929	1000	31783	142.3	3.10	0.002	3<
821029	0900	31818	188.80	1.88	0.003	8
821128	1000	31850	216.70	1.40	0.002	21
821228	1000	31882	244.50	2.00	0.001	3<
MAXIMUM		244.50	4.90	0.003		21
ARITH MEAN		149.3	2.57	0.002		13
GEOM MEAN		115.1	2.33			
MINIMUM		7.4	1.40	0.001		6
STD DEV (GEOM *)		67.7	1.27			
# SAMP IN STATISTICS		9	9	6		4
% SAMP (EXCLUDED)				25		55

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: AT OUTLET OF KELLY LAKE  
 STATION TYPE: RIVER FLOW GAUGE FED.02CF012

STATION ID: 14-0028-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 25 39.53 LONG: 081 05 49.06

U T M: 17 0492550.0 5141350.0 4

REGION: 05

DISTANCE: 122.951

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FCHM FECAL COLIFORM	FEUT
SAMPLE DATE YYMMDD	HR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CACO3	ALUMINUM UNF.TOT. MG/L AS AL	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE
820214	0925	34017	0.30	0101	4	0.300	81.00	1520	0.039	9.00	4.50
820314	1000	34049	0.30	0101	55	0.250	86.00	1660	0.035	8.00	1.40
820416	1800	34073	0.30	0101	16.8		49.60	805.0	0.066	7.00	0.570
820516	0920	34125	0.30	0101	1.1		98.00	1750.0	0.050U	8.00	1.380
820613	0840	34157	0.30	0101	2.5		103.00	1660.0	0.037	8.00	0.885
820718	0920	34189	0.30	0101	11.3		108.00	1670.0	0.020	8.00	0.645
820815	0900	34221	0.30	0101	3.1		109.00	1630.0	0.037	8.00	0.810
820921	0950	34253	0.30	0101	2.6		87.50	1640.0	0.039	8.00	1.120
821017	0925	34285	0.30	0101	2.6		86.00	1440.0	0.042	9.00	0.200
821114	1145	34317	0.30	0101	2.0		135.00	1390.0	0.050	9.00	0.205
821214	1015	34349	0.30	0101	3.7		76.00	1187.0	0.040	9.00	0.295
MAXIMUM		0.30			55	9.300	135.00	1750.0	0.066	9.00	4.50
ARITH MEAN		0.30			10	0.275	92.65	1487	0.041	8.27	1.09
GEOM MEAN					5	0.274	90.08	1457	0.040	8.25	0.73
MINIMUM		0.30			1.1	0.250	49.60	805.0	0.020	7.00	0.200
STD DEV (GEOM *)					16	0.035	21.94	278	0.011	0.65	1.21
# SAMP IN STATISTICS		11			11	2	11	11	11	11	11
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWFLOW	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNO3FR NO3-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.
SAMPLE DATE YYMMDD	HR LMT	SAMPLE NUMBER	STREAM FLOW M3 /S	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N
820214	0925	34017	1.090	4 6 8	0.0	0.700	8.900	7.000		10.80	0.007
820314	1000	34049	2.790	6 8	0.0	0.520	12.200	0.330	0.0750	0.255	0.008
820416	1800	34073	19.000	3 6 8	2.0	0.460	4.900	2.700		7.00	0.003<
820516	0920	34125	1.380	6 8	15.0	0.790U	18.500	2.950		22.25	0.006U
820613	0840	34157	0.873	6 8	19.0	0.820		3.950		18.20	0.008
820718	0920	34189	0.799	6 8	25.0	0.750	9.750	4.600		11.50	0.004
820815	0900	34221	0.485	6 8	19.0	0.710	7.200	4.150		8.90	0.014
820921	0950	34253	3.280	6 8 9	12.0	0.690	5.700	5.000		8.20	0.012
821017	0925	34285	2.910	6 8	3.0	0.850	2.900	6.750		4.85	0.011
821114	1145	34317	6.730	3 6 8	1.0	0.880	3.000	8.000		4.800	0.017
821214	1015	34349	2.770	6 8		0.900	0.322	8.500		1.350	0.003<

(CONT'D)

STORET CODE: 02  
002  
7950

LAT: 46 25 39.53 LONG: 081 05 49.06 U T M: 17 0492550.0 5141350.0 4 REGION: 05 DISTANCE: 122.951

MAXIMUM	19.000	25.0	0.900	18.500	8.500	0.0750	0.255	22.25	0.017
ARITH MEAN	3.828	9.6	0.734	7.337	4.903	0.0750	0.255	10.59	0.010
GEOM MEAN	2.161		0.720	5.061	3.901			8.42	
MINIMUM	0.485	0.0	0.460	0.322	0.330	0.0750	0.255	1.350	0.004
STD DEV (GEOM *)	5.334		0.141	5.301	2.480			6.57	
# SAMP IN STATISTICS	11	10	11	10	11	1	1	11	9
% SAMP (EXCLUDED)									18

[illegible]

820214	0925	34017	5.27	1<T	0.006	0.180	1062	9.6	565.0	10<=>	40<=>	23.00
820314	1000	34049	7.43	1	0.0470	0.320	1199	5.4	666.0			6.60
820416	1800	34073	6.95		0.0010<T	0.061		13.500	298.0			9.30
820516	0920	34125	4.78		0.0730	0.252		28.000	900.0			21.00
820613	0840	34157	4.78		0.0220	0.195		20.200	715.0			11.80
820718	0920	34189	4.64		0.0430	0.175		4.230	685.0			1.83
820815	0900	34221	4.92		0.0370	0.167		20.800	720.0			12.70
820921	0950	34253	5.53		0.0250	0.148			679.3			3.30
821017	0925	34285	5.80		0.0860	0.129		4.090	547.8			1.25
821114	1145	34317	8.76		0.1600	0.220		4.360	540.30			1.91
821214	1015	34349	4.69		0.0950	0.145		4.680	451.80			1.90

[illegible]

B.O.W./ SITE: JUNCTION CREEK  
SAMPLE POINT: AT OUTLET OF KELLY LAKE  
STATION TYPE: RIVER FLOW GAUGE FED.02CF012

STATION ID: 14-0028-003-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

LAT: 46 25 39.53 LONG: 081 05 49.06

U T M: 17 0492550.0 5141350.0 4

REGION: 05

DISTANCE: 122.951

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
UNF.TOT.  
SAMPLE DATE HOUR SAMPLE SAMPLE  
YYMMDD LMT NUMBER MG/L  
AS ZN

820214	0925	34017	0.026
820314	1000	34049	0.018
820416	1800	34073	0.017
820516	0920	34125	0.023U
820613	0840	34157	0.025
820718	0920	34189	0.015
820815	0900	34221	0.018
820921	0950	34253	0.020
821017	0925	34285	0.024
821114	1145	34317	0.020
821214	1015	34349	0.027

MAXIMUM 0.027  
ARITH MEAN 0.021  
GEOM MEAN 0.021  
MINIMUM 0.015  
STD DEV (GEOM \*) 0.004  
# SAMP IN STATISTICS 11  
% SAMP (EXCLUDED)



B.O.W./ SITE: COPPER CLIFF CREEK

STATION ID: 14-0028-005-02

SAMPLE POINT: AT CEASAR ROAD SUDBURY

STATION TYPE: RIVER FLOW GAUGE MOE 02CF107

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SPANISH RIVER

7950

LAT: 46 28 10.30 LONG: 081 02 20.67

U T M: 17 0497000.0 5146000.0 4

REGION: 05

DISTANCE: 131.802

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	COND.
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	
820214	0850	34016	0101	110	0.021		3200	0.028	7.00	0.34	6 8
820314	0915	34048	0101	62.0	0.340		2790	0.150	7.00	0.41	6 8
820410	1735	34072	0101	15.7		126.00	2280.0	0.160	6.00	4.450	3 6 8
820516	0850	34124	0101	67.5		235.00	3390.0	0.010U	7.00	0.630	6 8
820613	0815	34156	0101	28.9		122.00	3210.0	0.032	7.00	1.425	6 8
820718	0850	34188	0101	44.2		98.00	3030.0	0.016	7.00	0.785	6 8 9
820815	0820	34220	0101	53.0		108.00	3360.0	0.009	7.00	3.495	6 8 9
820921	0915	34252	0101	27.9		82.00	2550.0	0.065	7.00	0.950	6 8 9
821017	0855	34284	0101	24.2		94.50	2380.0	0.120	8.00	1.080	6 8
821114	1110	34316	0101	24.8		173.00	2100.0	0.084	7.00	0.755	3 6 8
821214	0950	34348	0101	31.2		70.50	2390.0	0.018	8.00	0.685	6 8
MAXIMUM		0.30		110	0.340	235.00	3390.0	0.160	8.00	4.450	
ARITH MEAN		0.30		44	0.180	123.22	2789	0.063	7.09	1.36	
GEOM MEAN				38	0.084	115.34	2752	0.039	7.07	0.98	
MINIMUM		0.30		15.7	0.021	70.50	2100.0	0.009	6.00	0.34	
STD DEV (GEOM *)				27	0.226	51.42	470	0.057	0.54	1.34	
# SAMP IN STATISTICS		11		11	2	9	11	11	11	11	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH	PP04FR
			NICKEL	NH3-N				K'DAHL N	LEAD		P04
SAMPLE DATE	HOUR	SAMPLE	UNF.TOT.	TOTAL	N02+N03N	N02-N	N03-N	FIL.TOT.	UNF.TOT.		FIL.REAC
YYMMDD	LMT	NUMBER	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L
			AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	AS P
820214	0850	34016	0.300	63.500	1.250	0.290	0.960	84.00	0.003<	9.47	0.001 <T
820314	0915	34048	0.450	47.200	0.900	0.2100	0.690	50.00	0.003<	9.37	0.0010
820410	1735	34072	1.300		1.100			41.20	0.003<	6.99	0.0030
820516	0850	34124	0.120U	26.000	2.200			40.25	0.003<	9.80	0.0010<T
820613	0815	34156	0.150		1.850			27.50	0.003<	8.03	0.0045
820718	0850	34188	0.050	13.000	1.600			16.25	0.013	9.79	0.0005<T
820815	0820	34220	0.019	20.000	2.350			21.00	0.003<	9.76	0.0005<T
820921	0915	34252	0.380	8.660	0.900U			10.50	0.003<	9.49	0.0050<W
821017	0855	34284	0.780	10.400	1.300			11.30	0.005	9.30	0.0010<W
821114	1110	34316	0.460	9.200	1.300			10.000	0.018	7.30	0.0005<W
821214	0950	34348	0.590	17.800	0.975			19.700	0.003<	9.02	0.0050<W

B.O.W./ SITE: COPPER CLIFF CREEK

SAMPLE POINT: AT CEASAR ROAD SUDBURY

STATION TYPE: RIVER FLOW GAUGE MOE 02CF107

STATION ID: 14-0028-005-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 28 10.30 LONG: 081 02 20.67

U T M: 17 0497000.0 5146000.0 4

REGION: 05

DISTANCE: 131.802

*=INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PP04FR	
SAMPLE		WATER	NICKEL	FIL.REAC	NO2+NO3N	NO2-N	NO3-N	FIL.TOT.	LEAD		P04	
DATE	HR	TEMP	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		FIL.REAC	
YYMMDD	LMT	DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	
			AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	AS P	
		MAXIMUM	25.0	1.300	63.500	2.350	0.290	0.960	84.00	0.018	9.80	0.0050
		ARITH MEAN	9.8	0.418	23.973	1.430	0.250	0.825	30.15	0.012	8.94	0.002 <A
		GEOM MEAN		0.250	18.839	1.354	0.247	0.814	24.01		8.88	0.001 <A
		MINIMUM	0.0	0.019	8.660	0.900	0.2100	0.690	10.000	0.005	6.99	0.0005
		STD DEV (GEOM *)		0.376	19.096	0.509	0.057	0.191	22.49		1.02	0.002 <A
		# SAMP IN STATISTICS	10	11	9	11	2	2	11	3	11	11
		% SAMP (EXCLUDED)								72		

*=INTERIM TEST-NAME:		PPUT PHOSPHOR	RSF	RSP	SS04UR SULPHATE	TURB	ZNUT ZINC	
SAMPLE		UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC	TURB'ITY	UNF.TOT.	
DATE	HR	MG/L	FILTERED	PARTIC.	MG/L	FTU	MG/L	
YYMMDD	LMT	AS P	MG/L	MG/L	AS S04		AS ZN	
820214	0850	34016	0.020	2698	10.6	1322.0	2.30	0.008
820314	0915	34048	0.023	2228	17.1	1194.0	8.80	0.010
820410	1735	34072	0.060		35.700	1230.0	21.00	0.036
820516	0850	34124	0.043		18.140	1870.0	12.10	0.009U
820613	0815	34156	0.025		20.800	1590.0	6.90	0.030
820718	0850	34188	0.025		16.000	1740.0	4.70	0.024
820815	0820	34220	0.042		47.800	2170.0	13.40	0.001<
820921	0915	34252	0.018			1400.0	9.80	0.013
821017	0855	34284	0.015		25.200	1171.0	8.10	0.018
821114	1110	34316	0.010		23.800	1023.00	9.70	0.018
821214	0950	34348	0.007		32.800	1258.00	12.00	0.005
		MAXIMUM	0.060	2698	47.800	2170.0	21.00	0.036
		ARITH MEAN	0.026	2463	24.8	1451.6	9.89	0.017
		GEOM MEAN	0.022	2452	22.7	1416.3	8.66	
		MINIMUM	0.007	2228	10.6	1023.00	2.30	0.005
		STD DEV (GEOM *)	0.016	332	11.1	350.5	4.93	
		# SAMP IN STATISTICS	11	2	10	11	11	10
		% SAMP (EXCLUDED)						9

B.O.W./ SITE: VERMILION RIVER

SAMPLE POINT: DNSTR.FROM JUNCTION WITH WHITSON RIVER

STATION TYPE: RIVER

STATION ID: 14-0028-006-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 31 33.13 LONG: 081 17 17.32

U T M: 17 0477900.0 5152300.0 4

REGION: 05

DISTANCE: 127.778

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	SUB-PROJ CODE	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM COND.
				AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	
820213	0935	34006	0101	18	0.044	0.001<	124	0.006	12.00	0.27	4 6 8
820313	0900	34039	0101	21.0	0.049	0.001<	156	0.006	12.00	0.27	4 6 8
820417	0825	34076	0101	22.4			138.0	0.019	11.00	0.705	3 6 8
820515	0920	34105	0101	11.7			70.1	0.008	12.00	0.250	6 8
820612	0740	34137	0101	19.5			93.9	0.005	11.00	0.175	6 8
820717	0835	34169	0101	22.4			104.0	0.003	11.00	0.095	6 8
820814	0810	34201	0101	5.8			105.0	0.005	12.00	0.085	6 8
820920	0830	34233	0101	27.8			115.0	0.005	12.00	0.075	6 8
821016	0745	34265	0101	15.9			95.9	0.009	12.00	0.215	6 8
821112	1215	34302	0101	14.4			96.1	0.013	12.00	0.225	3 6 8
821213	1225	34334	0101	14.6			85.6	0.014	13.00	0.235	6 8 4
MAXIMUM		0.30		27.8	0.049		156	0.019	13.00	0.705	
ARITH MEAN		0.30		18	0.046		108	0.008	11.82	0.24	
GEOM MEAN				16	0.046		105	0.007	11.80	0.19	
MINIMUM		0.30		5.8	0.044		70.1	0.003	11.00	0.075	
STD DEV (GEOM *)				6	0.004		24	0.005	0.60	0.17	
# SAMP IN STATISTICS		11		11	2		11	11	11	11	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH
			MANGANSE	NICKEL	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD	
SAMPLE DATE	HOUR	SAMPLE	WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
YYMMDD	LMT	NUMBER	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH
			DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS PB	
820213	0935	34006	0.0	0.040	0.061	0.142	0.275	0.019	0.255	0.003<	7.26
820313	0900	34039	0.0	0.052	0.067	0.184	0.310	0.0030	0.305	0.003<	7.15
820417	0825	34076	2.0		0.130		4.300		0.54	0.003<	7.53
820515	0920	34105	15.0		0.041		0.090		0.26	0.004	7.25
820612	0740	34137	18.0		0.039		0.045		0.27	0.003<	7.34
820717	0835	34169	25.0		0.024		0.005<T		0.26	0.003<	7.45
820814	0810	34201	18.0		0.024		0.005<T		0.24	0.003<	7.56
820920	0830	34233	11.0		0.022		0.005		0.22	0.003<	7.64
821016	0745	34265	2.0		0.080		0.065		0.23	0.003<	7.47
821112	1215	34302	1.0		0.095		0.110		0.240	0.004	7.49
821213	1225	34334			0.100		0.180		0.180	0.003<	7.33

B.O.W./ SITE: VERMILION RIVER

SAMPLE POINT: DNSTR.FROM JUNCTION WITH WHITSON RIVER

STATION TYPE: RIVER

STATION ID: 14-0028-006-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVERSTORET CODE: 02  
002  
7950

LAT: 46 31 33.13 LONG: 081 17 17.32

U T M: 17 0477900.0 5152300.0 4

REGION: 05

DISTANCE: 127.778

*=INTERIM TEST-NAME:			FWTEMP	MNUT	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NN02FR NO2-N FIL.REAC	NN03FR NO3-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.	PH
SAMPLE DATE	HR	SAMPLE NUMBER	WATER TEMP DEG.C	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	PH
MAXIMUM			25.0	0.052	0.130	0.184	4.300	0.019	0.305	0.54	0.004	7.64
ARITH MEAN			9.2	0.046	0.062	0.163	0.490<A	0.011	0.280	0.29	0.004	7.41
GEOM MEAN				0.046	0.052	0.162	0.071<A	0.008	0.279	0.27		7.40
MINIMUM			0.0	0.040	0.022	0.142	0.005	0.0030	0.255	0.180	0.004	7.15
STD DEV (GEOM *)				0.008	0.036	0.030	1.268<A	0.011	0.035	0.10		0.15
# SAMP IN STATISTICS			10	2	11	2	11	2	2	11	2	11
% SAMP (EXCLUDED)											81	

*=INTERIM TEST-NAME:			PP04FR P04 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	RSF RESIDUE FILTERED	RSP RESIDUE PARTIC.	SSC4UR SULPHATE UNF.REAC	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.
SAMPLE DATE	HR	SAMPLE NUMBER	MG/L AS P	MG/L AS P	MG/L	MG/L	MG/L AS S04	MG/L AS ZN	
820213	0935	34006	0.006	0.015	81	0.2	28.0	0.011	
820313	0900	34039	0.0140	0.021	101	0.6	38.5	0.010	
820417	0825	34076		0.040			28.3	0.017	
820515	0920	34105		0.014			15.2	0.007	
820612	0740	34137		0.014			19.6	0.004	
820717	0835	34169		0.011			18.8	0.001<	
820814	0810	34201		0.008			16.5	0.007	
820920	0830	34233		0.009			18.6	0.003	
821016	0745	34265		0.152			20.3	0.007	
821112	1215	34302		0.024			19.37	0.011	
821213	1225	34334		0.060			18.74	0.008	
MAXIMUM			0.0140	0.152	101	0.6	38.5	0.017	
ARITH MEAN			0.010	0.033	91	0.4	22.0	0.008	
GEOM MEAN			0.009	0.021	90	0.3	21.2		
MINIMUM			0.006	0.008	81	0.2	15.2	0.003	
STD DEV (GEOM *)			0.006	0.042	14	0.3	6.9		
# SAMP IN STATISTICS			2	11	2	2	11	9	
% SAMP (EXCLUDED)								10 9	

B.O.W./ SITE: WHITSON RIVER  
 SAMPLE POINT: AT BRIDGE IN CHELMSFORD  
 STATION TYPE: RIVER

STATION ID: 14-0028-008-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 34 57.92 LONG: 081 11 58.89 U T M: 17 0484700.0 5158600.0 4 REGION: 05 DISTANCE: 139.204

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CLIDUR	COD	COND25	CUUT	DO	FEUT
					BOD 5 DAY	CHLORIDE	CHEM. OX	CONDUCT.	COPPER	DISOLVED	IRON
SAMPLE		SAMPLE	PROJECT	ALK	TOT.DEM.	UNF.REAC	DEMAND	25C	UNF.TOT.	OXYGEN	UNF.TOT.
DATE	HOUR	DEPTH	SUB-PROJ	TOTAL	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CL	AS O	AT 25 C	AS CU	AS O	AS FE
820213	0900	34005	0101	90	0.2		10	315		11.00	0.79
820313	0820	34038	0101	101	0.8		22	360		10.00	0.810
820417	0800	34075	0101			8.35				9.00	
820515	0850	34104	0101	77.9		15.80		261.0	0.013	10.00	0.435
820612	0715	34136	0101	59.4		17.50		231.0	0.008	9.00	0.500
820717	0800	34168	0101	117.4		23.30		361.0	0.006	9.00	0.265
820814	0745	34200	0101	6.2		24.60		330.0	0.007	9.00	0.180
820920	0805	34232	0101	99.7		21.10		332.0	0.026	10.00	0.760
821016	0720	34264	0101	48.0		14.20		231.0	0.016	10.00	0.455
821112	1145	34301	0101	70.5		15.40		260.0	0.024	10.00	0.760
821213	1200	34333	0101	45.2		13.90		199.0	0.010	11.00	0.310
MAXIMUM		0.30		117.4	0.8	24.60	22	361.0	0.026	11.00	0.810
ARITH MEAN		0.30		72	0.5	17.13	16	288	0.014	9.82	0.53
GEOM MEAN				58	0.4	16.38	15	282	0.012	9.79	0.47
MINIMUM		0.30		6.2	0.2	8.35	10	199.0	0.006	9.00	0.180
STD DEV (GEOM *)				33	0.4	5.13	8	59	0.008	0.75	0.24
# SAMP IN STATISTICS		11		10	2	9	2	10	8	11	10
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NAUR	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT
						NH3-N				K'DAHL N	
				SODIUM	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD
SAMPLE		STREAM	WATER	UNF.REAC	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.
DATE	HOUR	COND.	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	DEG.C	AS NA	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB
820213	0900	34005	4 6 8	0.0	11.2	0.016	0.505	0.090	0.415	0.25	
820313	0820	34038	4 6 8	0.0	16.00	0.094	0.470	0.015	0.455	0.32	
820417	0800	34075	3 6 8	2.0							
820515	0850	34104	6 8	15.0		0.044	0.004<T	0.230		0.58	0.006
820612	0715	34136	6 8	18.0		0.038	0.004	0.170		0.32	0.003<
820717	0800	34168	6 8	25.0		0.021	0.010	0.210		0.31	0.003
820814	0745	34200	6 8	19.0		0.017	0.020	0.080		0.25	0.003<
820920	0805	34232	6 8	11.0		0.059	0.002<T	0.145		0.31	0.004
821016	0720	34264	6 8	3.0		0.060	0.014	0.085		0.57	0.003<
821112	1145	34301	3 6 8	1.0		0.080	0.004<T	0.245		0.425	0.008
821213	1200	34333	6 8			0.076	0.002<T	0.250		0.300	0.003<

B.O.W./ SITE: WHITSON RIVER  
 SAMPLE POINT: AT BRIDGE IN CHELMSFORD  
 STATION TYPE: RIVER

STATION ID: 14-0028-008-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 34 57.92 LONG: 081 11 58.89 U T M: 17 0484700.0 5158600.0 4 REGION: 05 DISTANCE: 139.204

*=INTERIM	TEST-NAME:	FWSTRC	FWTEMP	NAUR	NIUT	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PBUT
SAMPLE				SODIUM	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD
DATE	HR	STREAM	WATER	UNF.REAC	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.
YYMMDD	LMT	COND.	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
			DEG.C	AS NA	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB
		MAXIMUM	25.0	16.00	0.080	0.094	0.505	0.090	0.455	0.58	0.008
		ARITH MEAN	9.4	13.6	0.049	0.017<A	0.239	0.052	0.435	0.36	0.005
		GEOM MEAN		13.4	0.044	0.008<A	0.203	0.037	0.435	0.35	
		MINIMUM	0.0	11.2	0.017	0.002	0.080	0.015	0.415	0.25	0.003
		STD DEV (GEOM *)		3.4	0.023	0.028<A	0.144	0.053	0.028	0.12	
# SAMP	IN	STATISTICS	10	2	8	10	10	2	2	10	4
% SAMP		(EXCLUDED)									50

*=INTERIM	TEST-NAME:	PH	PP04FR P04	PPUT PHOSPHOR	RSF	RSP	SS04UR SULPHATE	TURB	ZNUT ZINC
SAMPLE			FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC		UNF.TOT.
DATE	HR	PH	MG/L	MG/L	FILTERED	PARTIC.	MG/L	TURB'ITY	MG/L
YYMMDD	LMT		AS P	AS P	MG/L	MG/L	AS S04	FTU	AS ZN
820213	0900	34005	7.74	0.004	0.035	205	0.2		
820313	0820	34038	7.49	0.087	0.113	234	2.3		
820417	0800	34075	7.55						
820515	0850	34104	8.05	0.0050<W	0.013		2.140	27.5	3.50
820612	0715	34136	7.66	0.0010<T	0.017		2.270	26.7	2.30
820717	0800	34168	8.06	0.0005<T	0.014		2.440	36.7	1.98
820814	0745	34200	8.11	0.0005<T	0.009		3.030	32.8	1.44
820920	0805	34232	8.02	0.1400	0.169		37.9	6.40	0.006
821016	0720	34264	7.89	0.0960	0.127		3.160	40.9	195.00
821112	1145	34301	8.19	0.0130	0.025		55.100	29.48	4.40
821213	1200	34333	8.04	0.0025<T	0.088		2.640	27.93	1.58
		MAXIMUM	8.19	0.1400	0.169	234	55.100	40.9	195.00
		ARITH MEAN	7.89	0.035 <A	0.061	219	8.1	32.5	27.07
		GEOM MEAN	7.89	0.007 <A	0.037	219	2.7	32.1	4.60
		MINIMUM	7.49	0.0005	0.009	205	0.2	26.7	1.44
		STD DEV (GEOM *)	0.24	0.052 <A	0.058	21	17.6	5.4	67.87
# SAMP	IN	STATISTICS	11	10	10	2	9	8	8
% SAMP		(EXCLUDED)							



B.O.W./ SITE: VERMILION RIVER

STATION ID: 14-0028-010-02

SAMPLE POINT: AT FOOT OF BASS LAKE UPSTR.FROM CAPREOL

STATION TYPE: RIVER FLOW GAUGE FED 02CF100

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SPANISH RIVER

7950

LAT: 46 42 51.52 LONG: 080 57 03.37

U T M: 17 0503750.0 5173200.0 4

REGION: 05

DISTANCE: 221.440

*=INTERIM TEST-NAME:		PPUT	RSP	TURB	ZNUT	
		PHOSPHOR			ZINC	
		UNF.TOT.	RESIDUE		UNF.TOT.	
SAMPLE		MG/L	PARTIC.	TURB'ITY	MG/L	
DATE	HR	AS P	MG/L	FTU	AS ZN	
YYMMDD	LMT					
820214	1245	34023	0.007	0.5	0.84	0.012
		MAXIMUM	0.007	0.5	0.84	0.012
		ARITH MEAN	0.007	0.5	0.84	0.012
		GEOM MEAN				
		MINIMUM	0.007	0.5	0.84	0.012
		STD DEV (GEOM *)				
# SAMP IN STATISTICS		1	1	1	1	
% SAMP (EXCLUDED)						



B.O.W./ SITE: ONAPING RIVER  
 SAMPLE POINT: 1 MILES UPSTREAM FROM HIGH FALLS  
 STATION TYPE: RIVER FLOW GAUGE FED 02CF010

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STATION ID: 14-0028-012-02

STORET CODE: 02  
 002  
 7950

LAT: 46 36 17.26 LONG: 081 22 52.56 U T M: 17 0470800.0 5161100.0 4 REGION: 05 DISTANCE: 171.873

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CLIDUR	COND25	CUUT	DO	FCMF		
SAMPLE DATE	YMMDD	SAMPLE HOUR	YMMDD	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL	ALUMINUM UNF.TOT.	ARSENIC UNF.TOT.	CHLORIDE UNF.REAC	CONDUCT. 25C	COPPER UNF.TOT.	DISOLVED OXYGEN	FECAL COLIFORM
DATE	YMMDD	HOUR	YMMDD	DEPTH	CODE	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MF CNT
DATE	YMMDD	HOUR	YMMDD	DEPTH	CODE	AS CAC03	AS AL	AS AS	AS CL	AT 25 C	AS CU	AS O	/100ML
820213	1200	34009	0.30	0101	8	0.380	0.001<	13.00	210	0.031	12.00	100	
820313	1130	34041	0.30	0101	12.0	0.110	0.001<	15.50	235	0.018	12.00		
820417	1000	34079	0.30	0101	3.6			23.60	256.0	0.120	10.00		
820515	1045	34108	0.30	0101	4.8			5.20	84.8	0.015	12.00		
820612	0900	34140	0.30	0101	7.8			5.70	122.0	0.012	11.00		
820717	0955	34172	0.30	0101	10.7			5.15	111.0	0.013	12.00		
820814	0940	34204	0.30	0101	5.3			6.50	123.0	0.010	11.00		
820920	0950	34236	0.30	0101	8.3			4.16	97.3	0.057	12.00		
821016	0900	34268	0.30	0101	6.2			5.45	102.0	0.026	12.00		
821112	1335	34305	0.30	0101	6.4			8.97	141.0	0.054	12.00		
821213	1355	34337	0.30	0101	8.2			0.79	55.0	0.001	12.00		
MAXIMUM		0.30			12.0	0.380		23.60	256.0	0.120	12.00	100	
ARITH MEAN		0.30			7	0.245		8.55	140	0.032	11.64	100	
GEOM MEAN					7	0.204		6.42	127	0.019	11.62		
MINIMUM		0.30			3.6	0.110		0.79	55.0	0.001	10.00	100	
STD DEV (GEOM *)					2	0.191		6.47	65	0.034	0.67		
# SAMP IN STATISTICS		11			11	2		11	11	11	11	1	
% SAMP (EXCLUDED)													

*=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	
SAMPLE DATE	YMMDD	IRON UNF.TOT.	STREAM FLOW	STREAM COND.	WATER TEMP	MANGANSE UNF.TOT.	NICKEL UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	
DATE	YMMDD	MG/L	M3	COND.	DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
DATE	YMMDD	AS FE	/S			AS MN	AS NI	AS N	AS N	AS N	AS N	
820213	1200	34009	2.05	3.150	4 6 8	0.0	0.190	0.180	0.024	0.645	0.015	0.630
820313	1130	34041	0.34	2.850	4 6 8	0.0	0.114	0.200	0.260	0.420	0.0050	0.415
820417	1000	34079	1.300	20.700	3 6 8	2.0		0.730	0.232	0.405		
820515	1045	34108	0.325	24.700	6 8	15.0		0.100	0.028	0.060		
820612	0900	34140	0.210	5.460	6 8	18.0		0.012	0.016	0.075		
820717	0955	34172	0.290	3.420	6 8	25.0		0.120	0.024	0.055		
820814	0940	34204	0.180	1.370	6 8	18.0		0.140	0.016	0.045		
820920	0950	34236	0.320	8.480	6 8	11.0		0.410	0.002<T	0.050		
821016	0900	34268	0.260	18.600	6 8	2.0		0.200	0.012	0.055		
821112	1335	34305	0.295	13.700	3 6 8	1.0		0.330	0.032	0.125		
821213	1355	34337	0.230	14.300	4 6 8			0.002	0.020	0.080		

B.O.W./ SITE: ONAPING RIVER  
 SAMPLE POINT: 1 MILES UPSTREAM FROM HIGH FALLS  
 STATION TYPE: RIVER FLOW GAUGE FED 02CF010

STATION ID: 14-0028-012-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 36 17.26 LONG: 081 22 52.56

U T M: 17 0470800.0 5161100.0 4

REGION: 05

DISTANCE: 171.873

*=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	MNUT	NIUT	NNHTFR NH3-N	NNOTFR	NN02FR	NN03FR
		IRON UNF.TOT. MG/L AS FE	STREAM FLOW M3 /S	STREAM COND.	WATER TEMP DEG.C	MANGANSE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER									

		MAXIMUM	2.05	24.700		25.0	0.190	0.730	0.260	0.645	0.015	0.630
		ARITH MEAN	0.53	10.612		9.2	0.152	0.220	0.061<A	0.183	0.010	0.522
		GEOM MEAN	0.37	7.397			0.147	0.110	0.026<A	0.112	0.009	0.511
		MINIMUM	0.180	1.370		0.0	0.114	0.002	0.002	0.045	0.0050	0.415
		STD DEV (GEOM *)	0.59	8.194			0.054	0.208	0.092<A	0.207	0.007	0.152
		# SAMP IN STATISTICS	11	11		10	2	11	11	11	2	2
		% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		NNTKUR K'DAHL N TOTAL FIL.TOT. MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSF RESIDUE FILTERED MG/L	RSP RESIDUE PARTIC. MG/L	SS04UR SULPHATE UNF.REAC MG/L AS S04	TCMF COLIFORM TOTAL MF CNT /100ML
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER									

820213	1200	34009	0.70	0.006	6.92	1 <T	0.007	0.103	137	28.7	56.0	10000
820313	1130	34041	0.47	0.003<	6.88	1.0<T	0.0080	0.020	153	1.6	71.0	
820417	1000	34079	0.59	0.003<	5.99		0.0010<T	0.030		19.400	75.2	
820515	1045	34108	0.24	0.004	6.75		0.0005<W	0.009		0.775<T	21.6	
820612	0900	34140	0.22	0.003<	7.05		0.0010	0.011		0.485<T	34.5	
820717	0955	34172	0.27	0.004	7.19		0.0020<T	0.015		2.230	28.4	
820814	0940	34204	0.23	0.003<	7.21		0.0070	0.014		1.570	29.7	
820920	0950	34236	0.28	0.003<	6.94		0.0020<T	0.010			27.2	
821016	0900	34268	0.21	0.003<	7.03		0.0015<T	0.011		1.400	27.1	
821112	1335	34305	0.240	0.004	7.11		0.0060	0.026		2.800	35.47	
821213	1355	34337	0.230	0.003<	7.15		0.0050<W	0.014		1.600	13.07	

		MAXIMUM	0.70	0.006	7.21	1	0.0080	0.103	153	28.7	75.2	10000
		ARITH MEAN	0.33	0.004	6.93	1 <A	0.004 <A	0.024	145	6.1 <A	38.1	10000
		GEOM MEAN	0.30		6.92	1 <A	0.003 <A	0.018	145	2.4 <A	33.7	
		MINIMUM	0.21	0.004	5.99	1	0.0005	0.009	137	0.485	13.07	10000
		STD DEV (GEOM *)	0.17		0.34	0 <A	0.003 <A	0.027	11	9.8 <A	20.3	
		# SAMP IN STATISTICS	11	4	11	2	11	11	2	10	11	1
		% SAMP (EXCLUDED)		63								

B.O.W./ SITE: ONAPING RIVER  
SAMPLE POINT: 1 MILES UPSTREAM FROM HIGH FALLS  
STATION TYPE: RIVER FLOW GAUGE FED 02CF010

STATION ID: 14-0028-012-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

LAT: 46 36 17.26 LONG: 081 22 52.56

U T M: 17 0470800.0 5161100.0 4

REGION: 05

DISTANCE: 171.873

*INTERIM TEST-NAME:		TCMFBK	TURB	ZNUT	
		COLIFORM			
		TOTAL MF		ZINC	
		BCKGRD		UNF.TOT.	
SAMPLE					
DATE	HR	SAMPLE			
YYMMDD	LMT	NUMBER	TURB'ITY	MG/L	
			FTU	AS ZN	
820213	1200	34009	109000	2.60	0.043
820313	1130	34041		1.78	0.012
820417	1000	34079		10.60	0.030
820515	1045	34108		1.15	0.023
820612	0900	34140		1.51	0.008
820717	0955	34172		1.02	0.062
820814	0940	34204		1.13	0.008
820920	0950	34236		1.34	0.019
821016	0900	34268		0.77	0.016
821112	1335	34305		1.38	0.016
821213	1355	34337		0.84	0.012
MAXIMUM		109000	10.60	0.062	
ARITH MEAN		109000	2.19	0.023	
GEOM MEAN			1.54	0.018	
MINIMUM		109000	0.77	0.008	
STD DEV (GEOM *)			2.83	0.017	
# SAMP IN STATISTICS		1	11	11	
% SAMP (EXCLUDED)					

B.O.W./ SITE: ONAPING RIVER

SAMPLE POINT: UPSTREAM FROM LEVACK SEPTIC TANK

STATION TYPE: RIVER

STATION ID: 14-0028-013-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 38 37.96 LONG: 081 23 59.41

U T M: 17 0469400.0 5165450.0 4

REGION: 05

DISTANCE: 177.345

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CAUR	CLIDUR	COND25	CUUT	DO
				ALK	ALUMINUM	ARSENIC	CALCIUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	UNF.REAC	UNF.REAC	25C	UNF.TOT.	OXYGEN
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AS AS	AS CA	AS CL	AT 25 C	AS CU	AS O
820213	1335	34012	0101	8		0.001<	5.8	1.50	66	0.004	13.00
820313	1310	34044	0101	10		0.001<	6.2	1.45	68	0.002	13.00
820417	1135	34082	0101	6.5	0.180			1.00	52.1	0.007	10.00
820515	1200	34111	0101	4.9	0.088			0.45	42.7	0.006	12.00
820612	1030	34143	0101	8.1	0.064			1.20	60.1	0.003	12.00
820717	1125	34175	0101	10.5	0.095			1.15	64.0	0.003	12.00
820814	1110	34207	0101	5.8	0.120			1.20	67.7	0.004	11.00
820920	1115	34239	0101	9.6	0.110			1.21	62.3	0.009	11.00
821016	1020	34271	0101	7.8	0.150			0.80	49.3	0.007	12.00
821112	1515	34308	0101	7.4	0.080			0.70	51.0	0.002	12.00
821213	1525	34340	0101	7.9	0.110			0.70	52.8	0.001<	13.00
MAXIMUM		0.30		10.5	0.180		6.2	1.50	68	0.009	13.00
ARITH MEAN		0.30		8	0.111		6.0	1.03	58	0.005	11.91
GEOM MEAN				8	0.106		6.0	0.98	57		11.87
MINIMUM		0.30		4.9	0.064		5.8	0.45	42.7	0.002	10.00
STD DEV (GEOM *)				2	0.036		0.3	0.33	9		0.94
# SAMP IN STATISTICS		11		11	9		2	11	11	10	11
% SAMP (EXCLUDED)										9	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR	NNTKUR	PBUT	PH
		IRON			HARDNESS	MAGNESIM	NICKEL	NH3-N	K'DAHL N	LEAD	
SAMPLE		UNF.TOT.		WATER	TOTAL	FIL.REAC	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.	
DATE	HR	MG/L	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH
YYMMDD	LMT	AS FE	COND.	DEG.C	AS CAC03	AS MG	AS NI	AS N	AS N	AS PB	
820213	1335	0.23	4 6 8	0.0	20	1.45	0.005	0.046	0.25	0.005	
820313	1310	0.250	4 6 8	0.0	22.0	1.60	0.007	0.054	0.23	0.003<	
820417	1135	0.415	3 6 8	2.0			0.034	0.084		0.003<	7.09
820515	1200	0.160	6 8	15.0			0.015	0.010		0.005	6.78
820612	1030	0.235	6 8	18.0			0.021	0.016		0.003<	6.88
820717	1125	0.280	6 8	25.0			0.025	0.016		0.003<	6.99
820814	1110	0.250	6 8	18.0			0.038	0.006		0.003<	7.01
820920	1115	0.295	6 8	11.0			0.054	0.010		0.003<	7.03
821016	1020	0.290	6 8	2.0			0.089	0.008		0.003<	6.82
821112	1515	0.250	3 6 8	1.0			0.007	0.020		0.003<	7.12
821213	1525	0.235	4 6 8				0.005	0.020		0.006	7.02

( C O N T D )

B.O.W./ SITE: ONAPING RIVER  
 SAMPLE POINT: UPSTREAM FROM LEVACK SEPTIC TANK  
 STATION TYPE: RIVER

STATION ID: 14-0028-013-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 38 37.96 LONG: 081 23 59.41 U T M: 17 0469400.0 5165450.0 4 REGION: 05 DISTANCE: 177.345

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR NH3-N TOTAL	NNTKUR K'DAHL N TOTAL	PBUT	PH
SAMPLE DATE YYMMDD	HOUR LMT	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	HARDNESS TOTAL MG/L AS CAC03	MAGNESIM FIL.REAC MG/L AS MG	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH
		MAXIMUM 0.415		25.0	22.0	1.60	0.089	0.084	0.25	0.006	7.12
		ARITH MEAN 0.26		9.2	21	1.52	0.027	0.026	0.24	0.005	6.97
		GEOM MEAN 0.26			21	1.52	0.018	0.019	0.24		6.97
		MINIMUM 0.160		0.0	20	1.45	0.005	0.006	0.23	0.005	6.78
		STD DEV (GEOM *) 0.06			1	0.11	0.026	0.025	0.01		0.12
		# SAMP IN STATISTICS 11		10	2	2	11	11	2	3	9
		% SAMP (EXCLUDED)								72	

*=INTERIM TEST-NAME:		PP04FR P04 FIL.REAC	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSP RESIDUE PARTIC. MG/L	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	MG/L AS P	MG/L AS P	MG/L	MG/L AS ZN	
820213	1335	34012	0.001	0.006	0.3	0.67	0.022
820313	1310	34044	0.004	0.006	0.3	0.71	0.014
820417	1135	34082	0.0005<T	0.012	4.380	2.10	0.023
820515	1200	34111	0.0005<W	0.004	0.830<T	1.08	0.015
820612	1030	34143	0.0005<T	0.013	0.810<T	0.95	0.010
820717	1125	34175	0.0005<W	0.012	0.950<T	1.56	0.007
820814	1110	34207	0.0010<T	0.007	0.650<T	1.76	0.006
820920	1115	34239	0.0010<W	0.006		1.65	0.014
821016	1020	34271	0.0010<W	0.009	1.720	1.01	0.017
821112	1515	34308	0.0020	0.008	1.510	1.05	0.009
821213	1525	34340	0.0050<W	0.007	3.160	0.86	0.016
		MAXIMUM 0.0050	0.013	4.380	2.10	0.023	
		ARITH MEAN 0.002 <A	0.008	1.5 <A	1.22	0.014	
		GEOM MEAN 0.001 <A	0.008	1.0 <A	1.14	0.013	
		MINIMUM 0.0005	0.004	0.3	0.67	0.006	
		STD DEV (GEOM *) 0.002 <A	0.003	1.3 <A	0.47	0.006	
		# SAMP IN STATISTICS 11	11	10	11	11	
		% SAMP (EXCLUDED)					

B.O.W./ SITE: MOOSE CREEK  
 SAMPLE POINT: AT MOOSE LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0028-015-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 38 41.79 LONG: 081 20 58.33 U T M: 17 0473250.0 5165550.0 4 REGION: 05 DISTANCE: 181.851

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820213	1240	34010	0101	28	0.014	0.001<	1450	0.006	11.00	0.44	4 6 8
820313	1200	34042	0101	33	0.095	0.001<	1530	0.013	10.00	0.410	4 6 8
820417	1035	34080	0101	9.2			1390.0	0.029	9.00	1.960	3 6 8
820515	1115	34109	0101	0.8<T			823.0	0.019	11.00	0.815	6 8
820612	0935	34141	0101	4.5			1080.0	0.018	10.00	0.310	6 8
820717	1020	34173	0101	11.8			1160.0	0.030	9.00	0.400	6 8
820814	1010	34205	0101	7.1			1200.0	0.012	9.00	0.320	6 8
820920	1020	34237	0101	12.8			1150.0	0.021	10.00	0.345	6 8
821016	0925	34269	0101	16.9			1260.0	0.019	10.00	0.165	6 8
821112	1410	34306	0101	11.7			1280.0	0.022	10.00	0.310	3 6 8
821213	1420	34338	0101	12.0			1215.0	0.016	11.00	0.235	4 6 8
MAXIMUM		0.30		33	0.095		1530	0.030	11.00	1.960	
ARITH MEAN		0.30		13 <A	0.054		1231	0.019	10.00	0.52	
GEOM MEAN				10 <A	0.036		1216	0.017	9.97	0.40	
MINIMUM		0.30		0.8	0.014		823.0	0.006	9.00	0.165	
STD DEV (GEOM *)				10 <A	0.057		192	0.007	0.77	0.51	
# SAMP IN STATISTICS		11		11	2		11	11	11	11	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH
					NH3-N				K*DAHL N		
SAMPLE		WATER	MANGANESE	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD	
DATE	HR	TEMP	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
YYMMDD	LMT	DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH
			AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	
820213	1240	34010	0.0	0.866	0.650	1.230	0.295	0.005	0.290	0.003<	7.35
820313	1200	34042	0.0	1.180	0.550	1.300	0.185	0.007	0.180	0.007	7.26
820417	1035	34080	2.0		0.610		0.245			0.007	7.20
820515	1115	34109	15.0		0.720		0.430			0.008	4.53
820612	0935	34141	18.0		0.660		0.190			0.005	6.55
820717	1020	34173	26.0		0.330		0.065			0.003<	6.94
820814	1010	34205	19.0		0.290		0.050			0.003<	7.05
820920	1020	34237	11.0		0.410		0.090			0.003<	7.14
821016	0925	34269	2.0		0.430		0.250			0.003<	7.48
821112	1410	34306	1.0		0.840		0.755			0.016	7.02
821213	1420	34338			0.780		0.190			0.003<	7.32

STATION ID: 14-0028-015-02

B.O.W./ SITE: MOOSE CREEK  
 SAMPLE POINT: AT MOOSE LAKE OUTLET  
 STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 38 41.79 LONG: 081 20 58.33 U T M: 17 0473250.0 5165550.0 4 REGION: 05 DISTANCE: 181.851

*=INTERIM TEST-NAME:			FWTEMP	MNUT	NIUT	NNHTFR NH3-N	NNOTFR	NN02FR	NN03FR	NNTKUR K'DAHL N	PBUT	PH
SAMPLE DATE	HOUR	SAMPLE NUMBER	WATER TEMP DEG.C	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH
MAXIMUM			26.0	1.180	0.840	1.300	0.755	0.007	0.290	1.45	0.016	7.48
ARITH MEAN			9.4	1.023	0.570	1.265	0.250	0.006	0.235	1.02	0.009	6.89
GEOM MEAN				1.011	0.540	1.265	0.190	0.006	0.228	0.94		6.84
MINIMUM			0.0	0.866	0.290	1.230	0.050	0.005	0.180	0.260	0.005	4.53
STD DEV (GEOM *)				0.222	0.184	0.049	0.200	0.001	0.078	0.36		0.82
# SAMP IN STATISTICS			10	2	11	2	11	2	2	11	5	11
% SAMP (EXCLUDED)											54	

*=INTERIM TEST-NAME:			PP04FR P04	PPUT PHOSPHOR	RSF	RSP	SS04UR SULPHATE	TURB	ZNUT ZINC
SAMPLE DATE	HOUR	SAMPLE NUMBER	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	UNF.REAC MG/L AS S04	TURB'ITY FTU	UNF.TOT. MG/L AS ZN
820213	1240	34010	0.001	0.015	1146	1.4	577.0		0.018
820313	1200	34042	0.054	0.188	1227	2.0	645.0		0.015
820417	1035	34080		0.015			526.0	14.40	0.029
820515	1115	34109		0.010			329.0	4.60	0.035
820612	0935	34141		0.010			419.0	1.86	0.020
820717	1020	34173		0.008			51.6	2.10	0.020
820814	1010	34205		0.094			525.0	2.70	0.006
820920	1020	34237		0.007			476.0	2.10	0.018
821016	0925	34269		0.007			504.3	0.98	0.010
821112	1410	34306		0.014			510.50	1.24	0.015
821213	1420	34338		0.003<T			489.90	1.25	0.022
MAXIMUM			0.054	0.188	1227	2.0	645.0	14.40	0.035
ARITH MEAN			0.027	0.034<A	1186	1.7	459.4	3.47	0.019
GEOM MEAN			0.007	0.015<A	1186	1.7	401.7	2.36	0.017
MINIMUM			0.001	0.003	1146	1.4	51.6	0.98	0.006
STD DEV (GEOM *)			0.037	0.057<A	57	0.4	157.4	4.24	0.008
# SAMP IN STATISTICS			2	11	2	2	11	9	11
% SAMP (EXCLUDED)									

STATION ID: 14-0028-018-02

B.O.W./ SITE: MOOSE CREEK  
 SAMPLE POINT: DOWNSTREAM OF LEVACK  
 STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 38 07.29 LONG: 081 23 28.61

U T M: 17 0470050.0 5164500.0 4

REGION: 05

DISTANCE: 176.540

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP	NIUT
				ALK	CONDUCT.	COPPER	DISOLVED	IRON			NICKEL
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER	UNF.TOT.
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP	MG/L
			CODE	AS CAC03	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C	AS NI
820417	1205	34083	0101	1.1	958.0	0.690U	6.00	5.600	3 6 8	3.0	3.100U
820515	1225	34112	0101	0.3<T	825.0	0.160	8.00	0.655	6 8 9	16.0	1.900
820612	1055	34144	0101	4.1	1100.0	0.062	7.00	0.145	6 8 9	20.0	1.400
820717	1150	34176	J101	4.0	1260.0	0.120	7.00	0.130	6 8 9	26.0	1.800
820814	1135	34208	0101	17.4	1320.0	0.073	7.00	0.065	6 8	19.0	0.300
820920	1135	34240	0101	0.1<T	1060.0	1.800	7.00	2.750	6 8 9	12.0	16.000
821016	1045	34272	0101	1.4	1110.0	0.490	8.00	0.830	6 8 9	3.0	4.400
821112	1540	34309	0101	2.3	1010.0	0.560	8.00	1.250	3 6 8	1.0	3.200
821213	1550	34341	0101	1.6	1121.0	0.430	9.00	1.550	4 6 8		4.000
MAXIMUM		0.30		17.4	1320.0	1.800	9.00	5.600		26.0	16.000
ARITH MEAN		0.30		3.6<A	1084.9	0.483	7.44	1.442		12.5	4.011
GEOM MEAN				1.5<A	1075.6	0.262	7.40	0.647		8.0	2.514
MINIMUM		0.30		0.1	825.0	0.033	6.00	0.065		1.0	0.300
STD DEV (GEOM *)				5.4<A	149.2	0.548	0.88	1.780		9.3	4.681
# SAMP IN STATISTICS		9		9	9	9	9	9		8	9
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TURB	ZNUT
			K'DAHL N	LEAD		PHOSPHOR	SULPHATE		ZINC
SAMPLE DATE	HOUR	SAMPLE	FIL.REAC	FIL.TOT.	UNF.TOT.	UNF.TOT.	UNF.REAC		UNF.TOT.
YYMMDD	LMT	NUMBER	MG/L	MG/L	MG/L	MG/L	MG/L	TURB'ITY	MG/L
			AS N	AS N	AS PB	AS P	AS S04	FTU	AS ZN
820417	1205	34083	0.905	0.34	0.003<	4.62	0.013	358.0	0.110U
820515	1225	34112	0.415	0.78	0.014	4.56	0.025	314.0	0.059
820612	1055	34144	0.345	0.80	0.004	6.15	0.005	452.0	0.054
820717	1150	34176	0.610	0.45	0.003<	6.49	0.038	55.7	0.060
820814	1135	34208	0.465	0.43	0.003<	6.21	0.075	580.0	0.017
820920	1135	34240	0.425	0.53	0.016	3.93	0.013	458.9	0.380
821016	1045	34272	0.285	0.58	0.003<	4.95	0.004	447.8	0.120
821112	1540	34309	0.365	0.700	0.017	5.19	0.020	397.00	0.070
821213	1550	34341	0.255	0.560	0.003<	4.78	0.010	454.50	0.110
MAXIMUM		0.905	0.80	0.017	6.49	0.075	580.0	39.00	0.380
ARITH MEAN		0.452	0.57	0.013	5.21	0.023	390.9	8.19	0.109
GEOM MEAN		0.421	0.55		5.14	0.015	340.1	3.96	0.079
MINIMUM		0.255	0.34	0.004	3.93	0.004	55.7	0.78	0.017
STD DEV (GEOM *)		0.199	0.16		0.88	0.022	146.1	12.06	0.107
# SAMP IN STATISTICS		9	9	4	9	9	9	9	9
% SAMP (EXCLUDED)				55					



B.O.W./ SITE: SPANISH RIVER  
SAMPLE POINT: AT HIGH FALLS  
STATION TYPE: RIVER FLOW GAUGE FED 02CF004

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STATION ID: 14-0028-020-02

STORET CODE: 02  
002  
7950

LAT: 46 22 47.69 LONG: 081 34 15.06 U T M: 17 0456100.0 5136200.0 4 REGION: 05 DISTANCE: 85.454

*=INTERIM TEST-NAME:			FWSADP	FGPROJ	ALKT	ALUT	ASUT	CAUR	CLIDUR	COND25	CUUT	DO
					ALK	ALUMINUM	ARSENIC	CALCIUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED
SAMPLE			SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	UNF.REAC	UNF.REAC	25C	UNF.TOT.	OXYGEN
DATE	HR	SAMPLE	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L
YYMMDD	LMT	NUMBER	M	CODE	AS CAC03	AS AL	AS AS	AS CA	AS CL	AT 25 C	AS CU	AS O
820212	1400	34003	0.30	0101	13		0.001<	5.4	0.85	52	0.003	12.00
820312	1540	34036	0.30	0101	16		0.001<	6.2	0.75	58	0.001<	12.00
820416	1440	34068	0.30	0101	12.4	0.067			1.00	52.1	0.001	11.00
820514	1845	34102	0.30	0101	7.5	0.110			0.65	42.5	0.003	12.00
820611	1800	34134	0.30	0101	7.7	0.078			0.75	43.2	0.001	11.00
820625	1140	34636	0.30	0101	8.1	0.066			1.60	45.0	0.003	
820716	1300	34166	0.30	0101	9.3	0.078			0.90	48.7	0.004	11.00
820813	1130	34198	0.30	0101	6.3	0.099			1.05	52.9	0.006	11.00
820919	1410	34230	0.30	0101	11.8	0.040			0.79	53.5	0.004	11.00
821015	1010	34262	0.30	0101	15.7	0.037			0.85	53.5	0.002	12.00
821113	0930	34312	0.30	0101	10.9	0.130			0.70	44.6	0.003	12.00
821214	0810	34344	0.30	0101	11.7	0.120			0.78	43.5	0.019	12.00
MAXIMUM			0.30		16	0.130		6.2	1.60	58	0.019	12.00
ARITH MEAN			0.30		11	0.082		5.8	0.89	49	0.004	11.55
GEOM MEAN					10	0.076		5.8	0.86	49		11.53
MINIMUM			0.30		6.3	0.037		5.4	0.65	42.5	0.001	11.00
STD DEV (GEOM *)					3	0.032		0.6	0.25	5		0.52
# SAMP IN STATISTICS			12		12	10		2	12	12	11	11
% SAMP (EXCLUDED)											8	

*=INTERIM TEST-NAME:			FEUT	FWFLOW	FWSTRC	FWTEMP	GACF	GACP	GBCF	GBCP	HARDT	MGUR
			IRON	STREAM			GROSS	GROSS	GROSS	GROSS	HARDNESS	MAGNESIM
SAMPLE			UNF.TOT.	FLOW		WATER	ALPHA CT	ALPHA CT	BETA CT	BETA CT	TOTAL	FIL.REAC
DATE	HR	SAMPLE	MG/L	M3	STREAM	TEMP	FILTERED	UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L
YYMMDD	LMT	NUMBER	AS FE	/S	COND.	DEG.C	MBQ/L	MBQ/L	MBQ/L	MBQ/L	AS CAC03	AS MG
820212	1400	34003	0.14	78.400	6 8	0.0					19	1.25
820312	1540	34036	0.140	67.600	6 8	0.0					21	1.30
820416	1440	34068	0.150	92.000	3 6 8	2.0						
820514	1845	34102	0.140	87.400	6 8	15.0						
820611	1800	34134	0.110	37.300	6 8	18.0						
820625	1140	34636	0.090	26.900			99	40<	25	40<		
820716	1300	34166	0.100	30.300	6 8	25.0						
820813	1130	34198	0.470	20.700	6 8	18.0						
820919	1410	34230	0.095	51.000	6 8	11.0						
821015	1010	34262	0.155	157.000	6 8	3.0						
821113	0930	34312	0.180	167.000	6 8	1.0						
821214	0810	34344	0.195	160.000	6 8							

B.O.W./ SITE: SPANISH RIVER  
 SAMPLE POINT: AT HIGH FALLS  
 STATION TYPE: RIVER FLOW GAUGE FED 02CF004

STATION ID: 14-0028-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 22 47.69 LONG: 081 34 15.06

U T M: 17 0456100.0 5136200.0 4

REGION: 05

DISTANCE: 85.454

*INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	GACF	GACP	GBCF	GBCP	HARDT	MGUR
		IRON	STREAM			GROSS	GROSS	GROSS	GROSS	HARDNESS	MAGNESIM
SAMPLE		UNF.TOT.	FLOW		WATER	ALPHA CT	ALPHA CT	BETA CT	BETA CT	TOTAL	FIL.REAC
DATE	HOUR	MG/L	M3	STREAM	TEMP	FILTERED	UNDISSOL	FILTERED	UNDISSOL	MG/L	MG/L
YYMMDD	LMT	AS FE	/S	COND.	DEG.C	MBQ/L	MBQ/L	MBQ/L	MBQ/L	AS CACO3	AS MG
	MAXIMUM	0.470	167.000		25.0	99		25		21	1.30
	ARITH MEAN	0.16	81.300		9.3	99		25		20	1.27
	GEOM MEAN	0.15	65.047							20	1.27
	MINIMUM	0.090	20.700		0.0	99		25		19	1.25
	STD DEV (GEOM *)	0.10	53.685							1	0.04
	# SAMP IN STATISTICS	12	12		10	1		1		2	2
	% SAMP (EXCLUDED)										

*INTERIM TEST-NAME:		NIUT	NNHTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RA226F	RSP
		NICKEL	NH3-N	K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR		
SAMPLE		UNF.TOT.	TOTAL	TOTAL	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RADIUM	RESIDUE
DATE	HOUR	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	226 FIL.	PARTIC.
YYMMDD	LMT	AS NI	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P	MBQ/L	MG/L
820212	1400	34003	0.003	0.024	0.28		1 <T	0.001	0.035		0.5
820312	1540	34036	0.001<	0.018	0.28		1.0<T	0.120	0.138		0.5
820416	1440	34068	0.002			7.25	1.0<T	0.0080	0.015		0.990<T
820514	1845	34102	0.002	0.046		7.00		0.0005<T	0.010		0.485<T
820611	1800	34134	0.001	0.030		6.85		0.0005<T	0.011		0.005<W
820625	1140	34636	0.009	0.034		6.96	0.6<T	0.0015<T	0.014	40<	0.355<T
820716	1300	34166	0.002	0.026		7.20		0.0005<W	0.009		1.140
820813	1130	34198	0.010	0.024		7.11		0.0015<T	0.009		6.500
820919	1410	34230	0.004	0.020		7.31	0.2<W	0.0020<T	0.009		
821015	1010	34262	0.002	0.022		7.45		0.0010<T	0.006		0.930
821113	0930	34312	0.002	0.024		7.21		0.0010<T	0.010		2.780
821214	0810	34344	0.002	0.016		7.20		0.0050<W	0.010		2.360
	MAXIMUM	0.010	0.046	0.28	0.011	7.45	1	0.120	0.138		6.500
	ARITH MEAN	0.004	0.026	0.28	0.006	7.15	1 <A	0.012 <A	0.023		1.5 <A
	GEOM MEAN		0.025	0.28		7.15	1 <A	0.002 <A	0.014		0.7 <A
	MINIMUM	0.001	0.016	0.28	0.004	6.85	0.2	0.0005	0.006		0.005
	STD DEV (GEOM *)		0.008	0.00		0.18	0 <A	0.034 <A	0.037		1.9 <A
	# SAMP IN STATISTICS	11	11	2	4	10	5	12	12		11
	% SAMP (EXCLUDED)	8			66						

B.O.W./ SITE: SPANISH RIVER  
SAMPLE POINT: AT HIGH FALLS  
STATION TYPE: RIVER FLOW GAUGE FED 02CF004

STATION ID: 14-0028-020-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

LAT: 46 22 47.69 LONG: 081 34 15.06

U T M: 17 0456100.0 5136200.0 4

REGION: 05

DISTANCE: 85.454

*=INTERIM TEST-NAME:		TURB	UU238	ZNUT
				ZINC
SAMPLE			URANIUM	UNF.TOT.
DATE	HOUR	SAMPLE	238	MG/L
YYMMDD	LMT	NUMBER	UG/L	AS ZN
		TURB*ITY		
		FTU		
820212	1400	34003		0.009
820312	1540	34036		0.002
820416	1440	34068		0.008
820514	1845	34102		0.009
820611	1800	34134		0.007
820625	1140	34636	3<	0.003
820716	1300	34166		0.014
820813	1130	34198		0.010
820919	1410	34230		0.007
821015	1010	34262		0.008
821113	0930	34312		0.015
821214	0810	34344		0.023
MAXIMUM		1.68		0.023
ARITH MEAN		1.02		0.010
GEOM MEAN		0.97		0.008
MINIMUM		0.53		0.002
STD DEV (GEOM *)		0.31		0.006
# SAMP IN STATISTICS		12		12
% SAMP (EXCLUDED)				

B.O.W./ SITE: MINISTIC CREEK

SAMPLE POINT: AT FIRST BRIDGE ON AGNEW ROAD

STATION TYPE: RIVER

STATION ID: 14-0028-021-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 24 02.81 LONG: 081 32 10.57

U T M: 17 0458775.0 5138500.0 4

REGION: 05

DISTANCE: 87.385

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALKTI	ALUT	CLIDUR	COND25	CUUT	DO	FEUT
				ALK	INFLECTN	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISSOLVED	IRON
				TOTAL	POINT	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.
				MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
				AS CAC03	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE							
820212	1425	34004	0.30	0101	32			351	0.012	11.00	1.60
820312	1615	34037	0.30	0101	34.0			85	0.002	10.00	0.86
820416		34069	0.30	0101	9.3			80.2	0.003U	9.00	1.780
820514	1915	34103	0.30	0101	7.1			206.0		10.00	
820611	1825	34135	0.30	0101	21.3			253.0		10.00	
820625	1115	34635	0.30	0101	21.0	0.130	2.50	206.0	0.007		0.795
820716	1325	34167	0.30	0101	23.5			205.0		10.00	
820813	1155	34199	0.30	0101	5.2			415.0		9.00	
820919	1440	34231	0.30	0101	18.3			175.0		9.00	
821015	1135	34263	0.30	0101	15.2			125.0		10.00	
821113	1000	34313	0.30	0101		12.49		130.0		10.00	
821214	0835	34345	0.30	0101		8.09		54.2		10.00	
MAXIMUM		0.30			34.0	12.49	0.130	415.0	0.012	11.00	1.780
ARITH MEAN		0.30			19	10.29	0.130	190	0.006	9.82	1.26
GEOM MEAN					16	10.05		162	0.005	9.80	1.18
MINIMUM		0.30			5.2	8.09	0.130	54.2	0.002	9.00	0.795
STD DEV (GEOM *)					10	3.11		109	0.005	0.60	0.50
# SAMP IN STATISTICS		12			10	2	1	12	4	11	4
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF	GACP	GBCF	GBCP	NIUT	NNHTFR	NNOTFR	NNTKUR
				GROSS	GROSS	GROSS	GROSS	NICKEL	NH3-N	NO2+NO3N	K'DAHL N
				ALPHA CT	ALPHA CT	BETA CT	BETA CT	UNF.TOT.	TOTAL	FIL.REAC	FIL.TOT.
				MBQ/L	UNDISSOL	MBQ/L	UNDISSOL	MG/L	MG/L	MG/L	MG/L
				COND.	TEMP	DEG.C		AS NI	AS N	AS N	AS N
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	STREAM COND.								
820212	1425	34004	4 6 8		0.0				0.112		0.65
820312	1615	34037	4 6 8		0.0				0.256		0.63
820416		34069	3 6 8		2.0			0.006U	0.008	2.500	0.47
820514	1915	34103	6 8		15.0				0.004<T	1.700<T	0.58
820611	1825	34135	6 8		18.0				0.004	0.920	0.51
820625	1115	34635				67	40<	43	0.001	0.008	
820716	1325	34167	6 8		26.0				0.002	0.670	0.73
820813	1155	34199	6 8		18.0				0.018	1.000	0.41
820919	1440	34231	6 8		12.0				0.010	0.530	0.60
821015	1135	34263	6 8		3.0				0.026	0.360	0.63
821113	1000	34313	3 6 8		1.0				0.010	0.700	0.575
821214	0835	34345	4 6 8						0.004<T	0.220	0.310

(CONT'D)

B.O.W./ SITE: MINISTIC CREEK  
 SAMPLE POINT: AT FIRST BRIDGE ON AGNEW ROAD  
 STATION TYPE: RIVER

STATION ID: 14-0028-021-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 24 02.81 LONG: 081 32 10.57 U T M: 17 0458775.0 5138500.0 4 REGION: 05 DISTANCE: 87.385

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	GACF	GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N	NNOTFR	NNTKUR K'DAHL N
				GROSS ALPHA CT FILTERED	GROSS ALPHA CT UNDISSOL	GROSS BETA CT FILTERED	GROSS BETA CT UNDISSOL	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N
SAMPLE DATE	HR HOUR	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	ALPHA CT MBQ/L	BETA CT MBQ/L	BETA CT MBQ/L				

MAXIMUM				26.0	67		43	0.006	0.256	2.500	0.73
ARITH MEAN				9.5	67		43	0.003	0.038<A	0.956<A	0.55
GEOM MEAN								0.002	0.012<A	0.752<A	0.54
MINIMUM				0.0	67		43	0.001	0.002	0.220	0.310
STD DEV (GEOM *)								0.004	0.075<A	0.722<A	0.12
# SAMP IN STATISTICS				10	1		1	2	12	9	11
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RA226F RADIUM 226 FIL. MBQ/L	RSP RESIDUE PARTIC. MG/L	SS04UR SULPHATE UNF.REAC MG/L AS S04	TURB TURB'ITY FTU	UUUT URANIUM UNF.TOT. MG/L AS U
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820212	1425	34004	0.006	7.42	1 <T	0.035	0.105	21.4		3.80	
820312	1615	34037	0.003<	6.82	1 <T	0.0870	0.118	1.8		3.60	
820416		34069	0.004U	6.77			0.047		22.9	21.00	0.01 <W
820514	1915	34103		6.73			0.050		73.2	2.80	0.01 <W
820611	1825	34135		7.37			0.022		81.5	2.20	0.001<
820625	1115	34635	0.036	7.40	0.8	0.0030	0.035	80	6.990	3.40	
820716	1325	34167		7.40			0.033		67.5	2.90	0.001
820813	1155	34199		7.71			0.016		149.0	3.20	0.001
820919	1440	34231		7.31			0.260		52.6	2.30	0.001<
821015	1135	34263		7.34			0.018		37.8	2.10	1.600
821113	1000	34313		7.30			0.065		33.90	11.60	0.001<
821214	0835	34345		7.15			0.020		11.18	1.20	0.001<

MAXIMUM			0.036	7.71	1	0.0870	0.260	80	21.4	149.0	21.00	1.600
ARITH MEAN			0.015	7.23	1 <A	0.042	0.066	80	10.1	58.8	5.01	0.32 <A
GEOM MEAN				7.22	1 <A	0.021	0.045		6.5	46.6	3.53	
MINIMUM			0.004	6.73	0.8	0.0030	0.016	80	1.8	11.18	1.20	0.001
STD DEV (GEOM *)				0.30	0 <A	0.042	0.070		10.2	41.2	5.69	
# SAMP IN STATISTICS			3	12	3	3	12	1	3	9	12	5
% SAMP (EXCLUDED)			25									44

B.O.W./ SITE: MINISTIC CREEK  
SAMPLE POINT: AT FIRST BRIDGE ON AGNEW ROAD  
STATION TYPE: RIVER

STATION ID: 14-0028-021-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

LAT: 46 24 02.81 LONG: 081 32 10.57 U T M: 17 0458775.0 5138500.0 4 REGION: 05 DISTANCE: 87.385

*=INTERIM TEST-NAME:		UU238	ZNUT
			ZINC
SAMPLE		URANIUM	UNF.TOT.
DATE	HR	238	MG/L
YYMMDD	LMT	NUMBER	UG/L
			AS ZN
820212	1425	34004	0.044
820312	1615	34037	0.010
820416		34069	0.025U
820625	1115	34635	0.002
		3<	
MAXIMUM			0.044
ARITH MEAN			0.020
GEOM MEAN			0.012
MINIMUM			0.002
STD DEV (GEOM *)			0.018
# SAMP IN STATISTICS			4
% SAMP (EXCLUDED)			

B.O.W./ SITE: VERMILION RIVER  
 SAMPLE POINT: HIGHWAY 17 2 MILES EAST OF WHITEFISH  
 STATION TYPE: RIVER

STATION ID: 14-0028-027-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 23 25.61 LONG: 081 16 44.32 U T M: 17 0478550.0 5137250.0 4 REGION: 05 DISTANCE: 105.248

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	YMMDD LMT	SAMPLE DEPTH	PROJECT SUB-PROJ CODE	TOTAL MG/L AS CAC03	UNF.TOT. MG/L AS AL	UNF.TOT. MG/L AS AS	25C UMHO/CM AT 25 C	UNF.TOT. MG/L AS CU	OXYGEN MG/L AS O	UNF.TOT. MG/L AS FE	STREAM COND.
820212	1230	34001	0101	18	0.096	0.001<	296	0.011	12.00	0.45	4 6 8
820312	1435	34034	0101	30	0.078	0.001<	340	0.008	13.00	0.430	4 6 8
MAXIMUM		0.30		30	0.096		340	0.011	13.00	0.45	
ARITH MEAN		0.30		24	0.087		318	0.009	12.50	0.44	
GEOM MEAN				23	0.087		317	0.009	12.49	0.44	
MINIMUM		0.30		18	0.078		296	0.008	12.00	0.430	
STD DEV (GEOM *)				8	0.013		31	0.002	0.71	0.01	
# SAMP IN STATISTICS		2		2	2		2	2	2	2	
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH
			MANGANSE	NICKEL	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD	
SAMPLE DATE	YMMDD LMT	WATER TEMP DEG.C	UNF.TOT. MG/L AS MN	UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	PH
820212	1230	34001	0.0	0.106	0.200	0.368	1.350	0.015	1.340	0.003	6.75
820312	1435	34034	0.0	0.112	0.180	1.440	0.625	0.028	0.595	0.003<	7.11
MAXIMUM		0	0.112	0.200	1.440	1.350	0.028	1.340	1.85	0.003	7.11
ARITH MEAN		0.0	0.109	0.190	0.904	0.987	0.021	0.967	1.29	0.003	6.93
GEOM MEAN			0.109	0.190	0.728	0.919	0.020	0.893	1.16		6.93
MINIMUM		0.0	0.106	0.180	0.368	0.625	0.015	0.595	0.73	0.003	6.75
STD DEV (GEOM *)			0.004	0.014	0.758	0.513	0.009	0.527	0.79		0.25
# SAMP IN STATISTICS		2	2	2	2	2	2	2	2	1	2
% SAMP (EXCLUDED)										50	

B.O.W./ SITE: VERMILION RIVER  
SAMPLE POINT: HIGHWAY 17 2 MILES EAST OF WHITEFISH  
STATION TYPE: RIVER

STATION ID: 14-0028-027-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

LAT: 46 23 25.61 LONG: 081 16 44.32

U T M: 17 0478550.0 5137250.0 4

REGION: 05

DISTANCE: 105.248

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSF	RSP	SS04UR	ZNUT	
		P04	PHOSPHOR			SULPHATE	ZINC	
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC	UNF.TOT.	
DATE	HR	MG/L	MG/L	FILTERED	PARTIC.	MG/L	MG/L	
YYMMDD	LMT	AS P	AS P	MG/L	MG/L	AS SO4	AS ZN	
820212	1230	34001	0.007	0.030	192	0.9	81.0	0.022
820312	1435	34034	0.155	0.210	221	1.9	104.0	0.028
MAXIMUM		0.155	0.210	221	1.9	104.0	0.028	
ARITH MEAN		0.081	0.120	206	1.4	92.5	0.025	
GEOM MEAN		0.033	0.079	206	1.3	91.8	0.025	
MINIMUM		0.007	0.030	192	0.9	81.0	0.022	
STD DEV (GEOM *)		0.105	0.127	21	0.7	16.3	0.004	
# SAMP IN STATISTICS		2	2	2	2	2	2	
% SAMP (EXCLUDED)								



B.O.W./ SITE: WHITSON RIVER  
SAMPLE POINT: HIGHWAY 634 WEST OF VAL CARON  
STATION TYPE: RIVER FLOW GAUGE FED 02CF008

STATION ID: 14-0028-028-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

**LAT: 46 36 35.73    LONG: 081 01 57.53**

U T M: 17 0497500.0 5161600.0 4

REGION: 05

DISTANCE: 157.229

*INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	ASUT	CAUR	CLIDUR	COND25	CUUT	DO	FEUT
SAMPLE			SAMPLE	PROJECT	ALK	ARSENIC	CALCIUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON
DATE	HR	SAMPLE	DEPTH	SUB-PROJ	TOTAL	UNF.TOT.	UNF.REAC	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT
YYMMDD	LMT	NUMBER	M	CODE	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
					AS CACO3	AS AS	AS CA	AS CL	AT 25 C	AS CU	AS O	AS FE
820214	1130	34021	0.30	0101	62	0.001<	25.0	19.00	255	0.014	13.00	0.94
820314	1200	34053	0.30	0101	63	0.002	29.0	64.00	402	0.011	10.00	
MAXIMUM			0.30		63	0.002	29.0	64.00	402	0.014	13.00	0.94
ARITH MEAN			0.30		62	0.002	27.0	41.50	328	0.012	11.50	0.94
GEOM MEAN					62		26.9	34.87	320	0.012	11.40	
MINIMUM			0.30		62	0.002	25.0	19.00	255	0.011	10.00	0.94
STD DEV (GEOM *)					1		2.8	31.82	104	0.002	2.12	
# SAMP IN STATISTICS			2		2	1	2	2	2	2	2	1
% SAMP (EXCLUDED)						50						

[illegible]

DATE OF REPORT: 15 JAN 87 PAGE: 267

STORET CODE: 02  
002  
7950

LAT: 46 36 35.73 LONG: 081 01 57.53 U T M: 17 0497500.0 5161600.0 4 REGION: 05 DISTANCE: 157.229

*INTERIM		TEST-NAME:	PP04FR	PPUT	RSP	TURB	ZNUT
			P04	PHOSPHOR			ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE		UNF.TOT	
DATE	HR	MG/L	MG/L	PARTIC.		MG/L	
YYMMDD	LMT	AS P	AS P	MG/L	TURB'ITY	AS ZN	
		NUMBER			FTU		
820214	1130	34021	0.006	0.030	0.9	2.70	0.023
820314	1200	34053	0.010	0.028	3.4	3.50	0.013
MAXIMUM			0.010	0.030	3.4	3.50	0.023
ARITH MEAN			0.008	0.029	2.1	3.10	0.018
GEOM MEAN			0.008	0.029	1.7	3.07	0.017
MINIMUM			0.006	0.028	0.9	2.70	0.013
STD DEV (GEOM *)			0.003	0.001	1.8	0.57	0.007
# SAMP IN STATISTICS			2	2	2	2	2
% SAMP (EXCLUDED)							

B.O.W./ SITE: VERMILION RIVER  
 SAMPLE POINT: DOWLING 6 MILES WEST OF CHELMSFORD  
 STATION TYPE: RIVER

STATION ID: 14-0028-033-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 34 14.84 LONG: 081 19 05.04

U T M: 17 0475625.0 5157300.0 4

REGION: 05

DISTANCE: 154.171

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HR	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT		CODE	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820213	1130	34008	0101	18	0.067	0.001<	136	0.009	13.00	0.29	4 6 8
820313	1100	34040	0101	22	0.083	0.001<	158	0.008	12.00	0.410	4 6 8
820417	0935	34078	0101	11.5			123.0	0.041	11.00	0.990	3 6 8
820515	1020	34107	0101	16.2			70.7	0.009	13.00	0.255	6 8
820612	0830	34139	0101	20.7			104.0	0.005	12.00	0.250	6 8
820717	0930	34171	0101	24.4			114.0	0.005	12.00	0.280	6 8
820814	0915	34203	0101	6.6			126.0	0.005	12.00	0.225	6 8
820920	0925	34235	0101	13.8			87.7	0.023	12.00	0.330	6 8
821016	0835	34267	0101	10.6				0.014	12.00	0.360	6 8
821112	1310	34304	0101	15.4			94.4	0.013	12.00	0.290	3 6 8
821213	1330	34336	0101	13.0			89.4	0.016	13.00	0.210	6 8
MAXIMUM				0.30	24.4	0.083	158	0.041	13.00	0.990	
ARITH MEAN				0.30	16	0.075	110	0.013	12.18	0.35	
GEOM MEAN					15	0.075	108	0.011	12.17	0.32	
MINIMUM				0.30	6.6	0.067	70.7	0.005	11.00	0.210	
STD DEV (GEOM *)					5	0.011	26	0.011	0.60	0.22	
# SAMP IN STATISTICS				11	11	2	10	11	11	11	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH
					NH3-N				K'DAHL N		
			MANGANESE	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD	
SAMPLE		WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
DATE	HR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH
820213	1130	34008	0.0	0.050	0.066	0.024	0.450	0.039	0.410	0.003	7.15
820313	1100	34040	0.0	0.072	0.077	0.250	0.360	0.003	0.355	0.003<	7.45
820417	0935	34078	2.0		0.210		0.460			0.003<	7.21
820515	1020	34107	15.0		0.047		0.090			0.003<	7.18
820612	0830	34139	18.0		0.050		0.150			0.003<	7.31
820717	0930	34171	25.0		0.047		0.105			0.003<	7.62
820814	0915	34203	18.0		0.042		0.170			0.003<	7.62
820920	0925	34235	11.0		0.160		0.095			0.003<	7.30
821016	0835	34267	2.0		0.100					0.003<	
821112	1310	34304	1.0		0.093		0.180		0.210	0.004	7.49
821213	1330	34336			0.098		0.165		0.160	0.003<	7.28

B.O.W./ SITE: VERMILION RIVER  
 SAMPLE POINT: DOWLING 6 MILES WEST OF CHELMSFORD  
 STATION TYPE: RIVER

STATION ID: 14-0028-033-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 34 14.84 LONG: 081 19 05.04

U T M: 17 0475625.0 5157300.0 4

REGION: 05

DISTANCE: 154.171

*INTERIM TEST-NAME:			FWTEMP	MNUT	NIUT	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PBUT	PH
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	WATER TEMP DEG.C	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH
MAXIMUM			25.0	0.072	0.210	0.250	0.460	0.039	0.410	0.47	0.004	7.62
ARITH MEAN			9.2	0.061	0.090	0.137	0.222	0.021	0.382	0.30	0.003	7.36
GEOM MEAN				0.060	0.079	0.077	0.186	0.011	0.382	0.28		7.36
MINIMUM			0.0	0.050	0.042	0.024	0.090	0.003	0.355	0.160	0.003	7.15
STD DEV (GEOM *)				0.016	0.053	0.160	0.144	0.025	0.039	0.10		0.17
# SAMP IN STATISTICS			10	2	11	2	10	2	2	10	2	10
% SAMP (EXCLUDED)											81	

*INTERIM TEST-NAME:			PP04FR P04	PPUT PHOSPHOR	RSF	RSP	SS04UR SULPHATE	TURB	ZNUT ZINC
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	UNF.REAC MG/L AS S04	TURB'ITY FTU	UNF.TOT. MG/L AS ZN
820213	1130	34008	0.012	0.021	88	0.1<W	31.0		0.015
820313	1100	34040	0.010	0.019	103	2.8	37.0		0.011
820417	0935	34078		0.047			31.8	7.90	0.017
820515	1020	34107		0.058			15.4	3.60	0.015
820612	0830	34139		0.013			20.5	1.63	0.013
820717	0930	34171		0.035			19.6	1.15	0.009
820814	0915	34203		0.131			17.3	1.29	0.005
820920	0925	34235		0.011			18.8	1.88	0.012
821016	0835	34267					19.3		0.015
821112	1310	34304		0.027			19.39	1.89	0.008
821213	1330	34336		0.027			20.71	1.00	0.012
MAXIMUM			0.012	0.131	103	2.8	37.0	7.90	0.017
ARITH MEAN			0.011	0.039	95	1.4<A	22.8	2.54	0.012
GEOM MEAN			0.011	0.030	95	0.5<A	21.9	1.99	0.011
MINIMUM			0.010	0.011	88	0.1	15.4	1.00	0.005
STD DEV (GEOM *)			0.001	0.036	11	1.9<A	7.0	2.31	0.004
# SAMP IN STATISTICS			2	10	2	2	11	8	11
% SAMP (EXCLUDED)									

B.O.W./ SITE: SPANISH RIVER  
SAMPLE POINT: AT BRIDGE SOUTH OF THE TOWN OF MASSEY  
STATION TYPE: RIVER

STATION ID: 14-0028-038-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

**LAT: 46 12 27.42 LONG: 082 03 58.26**

U T M: 17 0417750.0 5117450.0 4

**REGION: 05**

**DISTANCE: 30.094**

*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	ALKTI	ASUT	BOD5	CDUT	COND25	CRUT	CUUT
					ALK	ALK	ARSENIC	BOD	CADMIUM	CONDUCT.	CHROMIUM	COPPER
SAMPLE			SAMPLE	PROJECT	TOTAL	INFLECTN	UNF.TOT.	5 DAY	UNF.TOT.	25C	UNF.TOT.	COPPER
DATE	HR	SAMPLE	DEPTH	SUB-PROJ	MG/L	POINT	MG/L	TOT.DEM.	MG/L	UMHO/CM	MG/L	UNF.TOT.
YYMMDD	LMT	NUMBER	M	CODE	AS CAC03	AS CAC03	AS AS	AS 0	AS CD	AT 25 C	AS CR	AS CU
820316	1000	61000	0.30	0103					0.0002			0.003
820323	1000	61001	0.30	0103					0.0002<			0.002
820330	1000	61002	0.30	0103					0.0002<			0.002
820401	1000	61003	0.30	0103					0.0002<			0.002
820406	1000	61004	0.30	0103								
820408	1000	61005	0.30	0103					0.0002<			0.003
820413	1000	61006	0.30	0103					0.0002<			0.003
820415	1000	61007	0.30	0103					0.0002<			0.003
820420	1000	61008	0.30	0103	14.5		0.001<		0.0002<		0.002	0.006
820421	0800	61009	0.30	0103	14.9		0.001<		0.0002<		0.002	0.013
	1530	61010	0.30	0103	19.8		0.001<		0.0002<		0.002	0.011
820422	0800	61011	0.30	0103	9.6			0.17<T	0.0002<			0.007
	1230	61012	0.30	0103	10.7			0.59	0.0002<			0.008
820423	0930	61013	0.30	0103	10.3				0.0002<			0.011
	1530	61014	0.30	0103	10.4				0.0002			0.012
820426	1000	61015	0.30	0103	13.5				0.0002<			0.010
	1530	61016	0.30	0103	11.4				0.0004			0.009
820427	0930	61017	0.30	0103	8.1				0.0002<			0.007
	1530	61018	0.30	0103	13.6				0.0003			0.008
820428	0930	61019	0.30	0103	5.6				0.0002<			0.008
	1500	61020	0.30	0103	8.0				0.0002			0.007
820429	0930	61021	0.30	0103	9.3				0.0002<			0.008
		61022	0.30	0103	7.9				0.0002<			0.011
820430	0945	61023	0.30	0103	8.2				0.0002<			0.008
	1430	61024	0.30	0103	6.8				0.0002<			0.010
820504	1000	61025	0.30	0103	9.8			0.60	0.0002<			0.013
820506	1500	61026	0.30	0103	6.0				0.0002<			0.006
820511	0900	61027	0.30	0103	7.2				0.0002<			0.006
820513	1300	61028	0.30	0103	7.4				0.0002<			0.007
820518	1400	61029	0.30	0103	11.4				0.0002			0.009
820520	1930	61030	0.30	0103	8.0				0.0002<			0.006
820525	0930	61031	0.30	0103	9.5				0.0003			0.007
820527	1200	61032	0.30	0103	9.1				0.0002			0.005
820601	1200	61033	0.30	0103	10.9			1.13	0.0002			0.007
820603	1030	61034	0.30	0103	9.7				0.00			

B.O.W./ SITE: SPANISH RIVER  
 SAMPLE POINT: AT BRIDGE SOUTH OF THE TOWN OF MASSEY  
 STATION TYPE: RIVER

STATION ID: 14-0028-038-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 12 27.42 LONG: 082 03 58.26

U T M: 17 0417750.0 5117450.0 4

REGION: 05

DISTANCE: 30.094

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	ALKTI ALK INFLECTN POINT MG/L AS CAC03	ASUT ARSENIC UNF.TOT. MG/L AS AS	BOD5 BOD 5 DAY TOT.DEM. MG/L AS O	CDUT CADMIUM UNF.TOT. MG/L AS CD	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CRUT CHROMIUM UNF.TOT. MG/L AS CR	CUUT COPPER UNF.TOT. MG/L AS CU
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALK INFLECTN POINT MG/L AS CAC03	ARSENIC UNF.TOT. MG/L AS AS	BOD5 BOD 5 DAY TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU
820624 1300	61040	0.30	0103	14.7				0.0002<			0.006
820628 0930	61041	0.30	0103					0.0002<			0.006
820701 1000	61042		0103	13.6			0.66	0.0002<	97.5		0.005
820707 1030	61043	0.30	0103	15.2				0.0002<			0.005
820714 0900	61044	0.30	0103	20.7				0.0002	102.0		0.013
820720 1030	61045	0.30	0103	14.0				0.0002<			
820728 1030	61046	0.30	0103	14.5				0.0002<	93.6		
820804 1000	61047	0.30	0103	16.9			1.10	0.0002			0.008
820811 0900	61048	0.30	0103	15.1				0.0002			0.007
820818 0930	61049	0.30	0103					0.0002<	143.0		0.008
820825 1000	61050	0.30	0103	16.1				0.0002<	139.0		0.008
820901 0930	61051	0.30	0103	14.7				0.0002<	143.0		0.002
820908 0930	61052	0.30	0103	13.7				0.0002<	116.0		0.003
820915 1000	61053	0.30	0103	18.7				0.0002<	74.7		0.005
820922 1000	61054	0.30	0103	15.3				0.0002<	87.8		0.002
820929 1000	61055	0.30	0103	13.1				0.0002<	73.0		0.002
821006 0930	61056	0.30	0103	16.7			0.94	0.0002	92.6		
821014 0930	61057	0.30	0103	13.0				0.0002<	93.2		0.005
821020 0900	61058	0.30	0103	13.2				0.0002<	103.0		0.004
821027 0930	61059	0.30	0103		8.85			0.0002<			0.004
821103 1000	61060	0.30	0103	11.4			1.13	0.0002<	74.4		0.003
821110 0930	61061	0.30	0103	13.4				0.0002<	90.8		0.009
821117 0930	61062	0.30	0103	9.2				0.0002<	75.0		0.004
821124 1000	61063	0.30	0103					0.0002<			0.006
821201 1000	61064	0.30	0103	12.1			2.48	0.0003	87.5		0.007
821208 1000	61065	0.30	0103					0.0002<			0.005
821229 1400	61066	0.30	0103					0.0002<			0.003
821230 1400	61067	0.30	0103					0.0002<			0.005
821231 1400	61068	0.30	0103					0.0002			0.004
MAXIMUM		0.30		22.0	8.85		2.48	0.0004	143.0	0.002	0.017
ARITH MEAN		0.30		12.2	8.85		0.98<A	0.0002	100.4	0.002	0.006
GEOM MEAN				11.7			0.80<A		98.1	0.002	0.006
MINIMUM		0.30		5.6	8.85		0.17	0.0002	73.0	0.002	0.002
STD DEV (GEOM *)				3.7			0.65<A		23.2	0.000	0.003
# SAMP IN STATISTICS		68		53	1		9	18	18	3	64
% SAMP (EXCLUDED)								73			

( CONTD )

B.O.W./ SITE: SPANISH RIVER

SAMPLE POINT: AT BRIDGE SOUTH OF THE TOWN OF MASSEY

STATION TYPE: RIVER

STATION ID: 14-0028-038-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 12 27.42 LONG: 082 03 58.26

U T M: 17 0417750.0 5117450.0 4

REGION: 05

DISTANCE: 30.094

*=INTERIM		TEST-NAME:	DO	FWTEMP	HGUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH
			DISOLVED			NH3-N				K'DAHL N		
			OXYGEN	WATER	MERCURY	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD	
SAMPLE			MG/L	TEMP	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
DATE	HR	SAMPLE	AS O	DEG.C	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH
YYMMDD	LMT	NUMBER			AS HG	AS N	AS N	AS N	AS N	AS N	AS PB	
820316	1000	61000	13.00	1.0	0.03<		0.230	0.004	0.225		0.003<	
820323	1000	61001					0.245	0.006	0.240		0.003<	
820330	1000	61002					0.285	0.008	0.275		0.003<	
820401	1000	61003			0.05<		0.375	0.028	0.345		0.003<	
820406	1000	61004					0.575	0.0030	0.570		0.003<	
820408	1000	61005					0.485				0.003<	
820413	1000	61006			0.04<		0.425	0.0040	0.420		0.003<	
820415	1000	61007					0.355	0.0640	0.290		0.003<	
820420	1000	61008								0.85	0.003<	6.95
820421	0800	61009			0.03<	0.004<T	0.935	0.0030	0.930	1.07	0.003<	7.06
	1530	61010	13.00		0.03<	0.014	1.150	0.0030	1.145	1.28	0.003<	7.05
820422	0800	61011			0.04<		0.950	0.0010<T	0.950		0.003<	
	1230	61012	13.00	1.0	0.04<		1.000	0.0010<T	1.000		0.003<	
820423	0930	61013			0.04<		0.820	0.0010<T	0.820		0.003<	
	1530	61014			0.04<		0.800	0.0020<T	0.800		0.003<	
820426	1000	61015			0.05<		0.390	0.0020<T	0.390		0.003<	
	1530	61016			0.05<		0.395	0.0020<T	0.395		0.003<	
820427	0930	61017			0.06<		0.475	0.0040	0.470		0.003<	
	1530	61018			0.06<		0.465	0.0040	0.460		0.003<	
820428	0930	61019			0.05<		0.380	0.0010<T	0.380		0.003<	
	1500	61020	13.00	4.0	0.05<		0.410	0.0020<T	0.410		0.003<	
820429	0930	61021			0.04<		0.440	0.0050	0.435		0.003<	
		61022			0.04<		0.485	0.0050	0.480		0.003<	
820430	0945	61023			0.05<		0.405	0.0020	0.405		0.003<	
	1430	61024			0.05<		0.385	0.0020	0.385		0.003<	
820504	1000	61025	10.00	6.5	0.05<		0.375	0.0030	0.370		0.003<	
820506	1500	61026					0.340	0.0030	0.335		0.003<	
820511	0900	61027					0.245	0.0570	0.190		0.003<	
820513	1300	61028					0.140	0.0140	0.125		0.003<	
820518	1400	61029	9.00	14.0			0.155	0.0240	0.130		0.003<	
820520	1930	61030					0.160	0.0290	0.130			
820525	0930	61031					0.135	0.0080	0.125		0.003<	
820527	1200	61032			0.08<		0.140	0.0050	0.135		0.003<	
820601	1200	61033	8.00	12.0	0.05<		0.165	0.0090	0.155		0.003<	
820603	1030	61034					0.145	0.0200	0.125		0.003<	
820608	0930	61035					0.140	0.0070	0.135		0.003<	
820610	1500	61036					0.145	0.0090	0.135		0.003<	
820615	1800	61037					0.130	0.0055	0.125		0.003<	
820617		61038					0.150	0.0060	0.145		0.003<	
820622	0930	61039			0.03<		0.250	0.0110	0.240		0.003<	

B.O.W./ SITE: SPANISH RIVER  
 SAMPLE POINT: AT BRIDGE SOUTH OF THE TOWN OF MASSEY  
 STATION TYPE: RIVER

STATION ID: 14-0028-038-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 12 27.42 LONG: 082 03 58.26

U T M: 17 0417750.0 5117450.0 4

REGION: 05

DISTANCE: 30.094

*=INTERIM		TEST-NAME:	DO	FWTEMP	HGUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH
			DISOLVED			NH3-N				K'DAHL N		
			OXYGEN	WATER	MERCURY	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD	
SAMPLE			MG/L	TEMP	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
DATE	HR	SAMPLE	AS 0	DEG.C	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH
YYMMDD	LMT	NUMBER			AS HG	AS N	AS N	AS N	AS N	AS N	AS PB	
820624	1300	61040					0.315	0.0850	0.230		0.003<	
820628	0930	61041					0.350	0.0910	0.260		0.004	
820701	1000	61042			0.05<		0.345	0.1950	0.150		0.003<	
820707	1030	61043					0.270	0.0270	0.245		0.003<	
820714	0900	61044			0.05<		0.255	0.0165	0.240		0.008	
820720	1030	61045					0.105	0.0075			0.003<	
820728	1030	61046			0.04<		0.090				0.003<	
820804	1000	61047	5.00	19.5	0.02<		0.065	0.0060	0.060		0.003<	
820811	0900	61048					0.140	0.0065	0.135		0.003<	
820818	0930	61049			0.03<		0.080	0.0110	0.070		0.003<	
820825	1000	61050					0.070	0.0080	0.060		0.003<	
820901	0930	61051	4.00	17.0	0.05		0.095	0.0090	0.086		0.003<	
820908	0930	61052					0.125	0.0070	0.118		0.003<	
820915	1000	61053			0.03<		0.085	0.005	0.080		0.005	
820922	1000	61054					0.075	0.005	0.070		0.003<	
820929	1000	61055					0.090	0.0060	0.084		0.003<	
821006	0930	61056	9.00	15.0	0.04<		0.120	0.0065	0.114		0.005	
821014	0930	61057					0.155	0.0310	0.124		0.006	
821020	0900	61058			0.02<		0.200	0.0160	0.184		0.003<	
821027	0930	61059					0.120	0.0270	0.093		0.003	
821103	1000	61060	11.00	9.0	0.03<		0.190	0.0020	0.188		0.003<	
821110	0930	61061					0.080	0.0180	0.062		0.003<	
821117	0930	61062			0.04<		0.155	0.0200	0.135		0.003<	
821124	1000	61063					0.180	0.0110	0.169		0.006	6.94
821201	1000	61064	12.00	3.0	0.06<		0.205	0.0020	0.203		0.004	7.48
821208	1000	61065					0.195	0.0030	0.192		0.003	7.28
821229	1400	61066					0.180	0.0150	0.165		0.003<	6.98
821230	1400	61067					0.210	0.0170	0.193		0.004	6.92
821231	1400	61068					0.250	0.0040	0.246			6.89
MAXIMUM			13.00	19.5	0.05	0.014	1.150	0.1950	1.145	1.28	0.008	7.48
ARITH MEAN			10.00	9.3	0.05	0.009<A	0.301	0.016 <A	0.289	1.07	0.005	7.06
GEOM MEAN			9.42	6.3		0.007<A	0.233	0.007 <A	0.218	1.05		7.06
MINIMUM			4.00	1.0	0.05	0.004	0.065	0.0010	0.060	0.85	0.003	6.89
STD DEV (GEOM *)			3.13	6.6		0.007<A	0.240	0.029 <A	0.246	0.22		0.20
# SAMP IN STATISTICS			12	11	1	2	68	66	65	3	10	9
% SAMP (EXCLUDED)					97						85	



B.O.W./ SITE: SPANISH RIVER

SAMPLE POINT: AT BRIDGE SOUTH OF THE TOWN OF MASSEY

STATION TYPE: RIVER

STATION ID: 14-0028-038-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 12 27.42 LONG: 082 03 58.26

U T M: 17 0417750.0 5117450.0 4

REGION: 05

DISTANCE: 30.094

*=INTERIM TEST-NAME:		PHNOL	PP04FR	PPUT	P1PCBT	P3245T	RSF	RSP	X3PCPH	ZNUT
		PHENOLS	P04	PHOSPHOR						ZINC
SAMPLE		UNF-REAC	FIL.REAC	UNF.TOT.	PCB	2,4,5-T	RESIDUE	RESIDUE	PENTACHL	UNF.TOT.
DATE	HR	UG/L	MG/L	MG/L	TOTAL	NG/L	MG/L	MG/L	PHENOL	MG/L
YYMMDD	LMT	PHENOL	AS P	AS P	NG/L	NG/L	MG/L	MG/L	NG/L	AS ZN
820316	1000	61000	0.002	0.025		50<W		1.5		
820323	1000	61001	0.001	0.012				5.0		
820330	1000	61002	0.001 <T	0.038				3.3		
820401	1000	61003	0.002	0.036	20<W	50<W		8.8	200	
820406	1000	61004	0.0015<T	0.025				12.800		
820408	1000	61005	0.0020<T	0.015				5.230		
820413	1000	61006	0.0010<T	0.020				2.010		
820415	1000	61007	0.0020<T	0.012				12.800		
820420	1000	61008		0.040			113.0	31.000		0.012
820421	0800	61009	2	0.038	20<W	50<W	73.0	12.400	50<W	0.017
	1530	61010	2	0.033	20<W	50<W	95.0	12.800	70	0.017
820422	0800	61011		0.039	20<W	50<W		8.510	50<W	
	1230	61012		0.028	20<W	50<W		16.600	200	
820423	0930	61013		0.011	20<W	50<W		10.700	250	
	1530	61014		0.008	20<W	50<W		11.500	80	
820426	1000	61015		0.023	20<W	50<W		24.200	50<W	
	1530	61016		0.030	20<W	50<W		42.600	50<W	
820427	0930	61017		0.023	20<W	50<W		21.000	50<W	
	1530	61018		0.033	20<W	50<W		17.700	50<W	
820428	0930	61019		0.028	20<W	50<W		11.700	50<W	
	1500	61020		0.035	20<W	50<W		10.600	50<W	
820429	0930	61021		0.033	20<W	50<W		8.880	50<W	
		61022		0.045	20<W	50<W		7.410	50<W	
820430	0945	61023		0.020	20<W	50<W		8.660	50<W	
	1430	61024		0.020	20<W	50<W		10.600	50<W	
820504	1000	61025	1.0	0.040	20<W	50<W		10.600	50<W	
820506	1500	61026		0.025	20<W			5.510		
820511	0900	61027		0.010	20<W	50<W		1.560	50<W	
820513	1300	61028		0.013	20<W	50<W		4.600	50<W	
820518	1400	61029		0.008	20<W	50<W		4.070	50<W	
820520	1930	61030		0.025	20<W	50<W			50<W	
820525	0930	61031		0.020	20<W	50<W		2.890	200	
820527	1200	61032		0.014	20<W	50<W		2.640	50<W	
820601	1200	61033	3.2	0.025	20<W	50<W		4.140	50<W	
820603	1030	61034		0.016	20<W	50<W			50<W	
820608	0930	61035		0.043	20<W	50<W		2.470	200	
820610	1500	61036		0.025	20<W	50<W		1.810	50<W	
820615	1800	61037		0.012	20<W	50<W		2.310	200	
820617		61038		0.050	20<W	50<W		4.480	50<W	
820622	0930	61039		0.020				4.920		
820624	1300	61040		0.025				3.300		

STORET CODE: 02  
002  
7950

DISTANCE: 30.094

MAXIMUM	3.2	0.0110	0.050	20	50	113.0	42.600	250	0.017
ARITH MEAN	2 <A	0.003 <A	0.023	20<A	50<A	93.7	8.2	83<A	0.015
GEOM MEAN	2 <A	0.002 <A	0.020	20<A	50<A	92.2	6.1	68<A	0.015
MINIMUM	0.4	0.001	0.008	20	50	73.0	1.5	50	0.012
DEV (GEOM *)	1 <A	0.002 <A	0.011	0<A	0<A	20.0	7.3	64<A	0.003
STATISTICS (EXCLUDED)	8	62	67	31	31	3	65	30	3

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 276

B.O.W./ SITE: SPANISH RIVER  
 SAMPLE POINT: AT BRIDGE SOUTH OF THE TOWN OF MASSEY  
 STATION TYPE: RIVER

STATION ID: 14-0028-038-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 12 27.42 LONG: 082 03 58.26 U T M: 17 0417750.0 5117450.0 4 REGION: 05 DISTANCE: 30.094

*=INTERIM TEST-NAME:		FWSADP	CDUT CADMIUM UNF.TOT. UG/G DRY AS CD	CUUT COPPER UNF.TOT. UG/G DRY AS CU	HGUT MERCURY UNF.TOT. UG/G DRY AS HG	PBUT LEAD UNF.TOT. UG/G DRY AS PB	PPUT PHOSPHOR UNF.TOT. MG/G DRY AS N	P1ALDR ALDRIN NG/G DRY	P1BHCA BHC ALPHA NG/G DRY	P1BHCB BHC BETA NG/G DRY	P1BHCG BHC GAMMA NG/G DRY
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	SAMPLE DEPTH M								
820422	1130	82112	0.30	0.40	100.00	0.11	36.00	1.20	1<W	1<W	1<W
		MAXIMUM	0.30	0.40	100.00	0.11	36.00	1.20	1	1	1
		ARITH MEAN	0.30	0.40	100.00	0.11	36.00	1.20	1<A	1<A	1<A
		GEOM MEAN									
		MINIMUM	0.30	0.40	100.00	0.11	36.00	1.20	1	1	1
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1	1	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		P1CHLA CHLRDANE ALPHA NG/G DRY	P1CHLG CHLRDANE GAMMA NG/G DRY	P1DIEL DIELDRIN NG/G DRY	P1DMDT DMDT MTHXYLLR NG/G DRY	P1ENDR ENDRIN NG/G DRY	P1ENDS ENDOSULP SULPHATE NG/G DRY	P1END1 ENDOSULP I NG/G DRY	P1END2 ENDOSULP II NG/G DRY	P1HEPE HEPE NG/G DRY	P1HEPT HEPACHOR NG/G DRY
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER									
820422	1130	82112	2<W	2<W	2<W	5<W	4<W	4<W	2<W	4<W	1<W
		MAXIMUM	2	2	2	5	4	4	2	4	1
		ARITH MEAN	2<A	2<A	2<A	5<A	4<A	4<A	2<A	4<A	1<A
		GEOM MEAN									
		MINIMUM	2	2	2	5	4	4	2	4	1
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1	1	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		P1MIRX MIREX NG/G DRY	P1OCHL OXCHLANE NG/G DRY	P1OPDT OP-DDT NG/G DRY	P1PCBT PCB TOTAL NG/G DRY	P1PPDD PP-DDD NG/G DRY	P1PPDE PP-DDE NG/G DRY	P1PPDT PP-DDT NG/G DRY	X2HCB HCB NG/G DRY
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER							
820422	1130	82112	5<W	2<W	5<W	65	5<	1<W	5<W
		MAXIMUM	5	2	5	65		1	5
		ARITH MEAN	5<A	2<A	5<A	65		1<A	5<A
		GEOM MEAN							
		MINIMUM	5	2	5	65		1	5
		STD DEV (GEOM *)							
		# SAMP IN STATISTICS	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)							

B.O.W./ SITE: JUNCTION CREEK WEST BRANCH  
 SAMPLE POINT: AT LASALLE BLVD SUDBURY  
 STATION TYPE: RIVER

STATION ID: 14-0028-040-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 31 20.18

LONG: 080 58 46.31

U T M: 17 0501570.0 5151860.0 4

REGION: 05

DISTANCE: 138.722

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
			CODE	AS CACO3	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820314	1125	34052	0101	48.0	0.770	0.001	905	0.120	7.00	1.25	6 8
820418	0800	34096	0101	2.1			772.0	0.570	8.00	0.880	3 6 8
820516	1055	34128	0101	2.0			1910.0	0.750U	9.00		6 8
820613	1000	34160	0101	2.0			2010.0	1.200U	8.00	0.355	6 8
820718	1045	34192	0101	18.7			1410.0	0.170	9.00	0.125	6 8
820815	1020	34224	0101	1.0<T			2210.0	2.70P	9.00	0.505	6 8
820921	1100	34256	0101	1.2			986.0	1.100	9.00	0.320	6 8
821017	1100	34288	0101	0.1<T			890.0	2.200	8.00	0.305	6 8
821114	1315	34320	0101	2.7			510.0	1.100	10.00	0.340	3 6 8
821214	1130	34352	0101	1.7			1097.0	3.400	10.00	0.500	4 6 8
MAXIMUM		0.30		48.0	0.770	0.001	2210.0	3.400	10.00	1.25	
ARITH MEAN		0.30		7.9<A	0.770	0.001	1270	1.331	8.70	0.51	
GEOM MEAN				2.3<A			1152	0.873	8.65	0.42	
MINIMUM		0.30		0.1	0.770	0.001	510.0	0.120	7.00	0.125	
STD DEV (GEOM *)				15.1<A			584	1.094	0.95	0.35	
# SAMP IN STATISTICS		10		10	1	1	10	10	10	9	
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	
					NH3-N				K'DAHL N			
SAMPLE DATE	HR	SAMPLE	WATER	MANGANESE	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD	
YYMMDD	LMT	NUMBER	TEMP	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
			DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
				AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	
820314	1125	34052	0.0	0.820	1.600	0.990	0.765	0.0080	0.755	1.38	0.008	7.23
820418	0800	34096	2.0		7.500					2.05	0.016	4.98
820516	1055	34128	15.0		22.000U		5.000			5.90	0.059U	5.28
820613	1000	34160	19.0		46.000U		4.450			6.40	0.019U	4.66
820718	1045	34192	24.0		24.000		1.100			1.35	0.007	7.45
820815	1020	34224	19.0		61.000		3.750			2.85	0.003<	4.66
820921	1100	34256	11.0		2.800		0.520			0.74	0.015	5.04
821017	1100	34288	3.0		13.000		0.525			0.63	0.003<	4.70
821114	1315	34320	1.0		8.100		0.390			0.270	0.014	7.83
821214	1130	34352			14.000		0.830			0.710	0.022	4.50
MAXIMUM		24.0	0.820	61.000	0.990	5.000	0.0080	0.755	6.40	0.059	7.83	
ARITH MEAN		10.4	0.820	20.000	0.990	1.926	0.0080	0.755	2.23	0.020	5.63	
GEOM MEAN				12.206		1.225			1.43		5.51	
MINIMUM		0.0	0.820	1.600	0.990	0.390	0.0080	0.755	0.270	0.007	4.50	
STD DEV (GEOM *)				19.420		1.893			2.20		1.32	
# SAMP IN STATISTICS		9	1	10	1	9	1	1	10	8	10	
% SAMP (EXCLUDED)												

(CONT'D)

B.O.W./ SITE: JUNCTION CREEK WEST BRANCH  
 SAMPLE POINT: AT LASALLE BLVD SUDBURY  
 STATION TYPE: RIVER

STATION ID: 14-0028-040-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 31 20.18 LONG: 080 58 46.31

U T M: 17 0501570.0 5151860.0 4

REGION: 05

DISTANCE: 138.722

*INTERIM TEST-NAME:		PP04FR	PPUT	RSF	RSP	SS04UR	TURB	ZNUT
		P04	PHOSPHOR			SULPHATE		ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC		UNF.TOT.
DATE	HR	MG/L	MG/L	FILTERED	PARTIC.	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS P	AS P	MG/L	MG/L	AS S04	FTU	AS ZN
820314	1125	34052	0.0020	0.035	550	12.4	111.0	0.120
820418	0800	34096		0.029			238.0	0.380
820516	1055	34128		0.007			855.0	0.870U
820613	1000	34160		0.010			1100.0	2.000U
820718	1045	34192		0.025			478.0	0.690
820815	1020	34224		0.008			1210.0	3.400
820921	1100	34256		0.005			327.1	0.920
821017	1100	34288		0.006			387.5	1.200
821114	1315	34320		0.017			182.50	0.510
821214	1130	34352		0.007			508.50	1.500
MAXIMUM		0.0020	0.035	550	12.4	1210.0	9.60	3.400
ARITH MEAN		0.0020	0.015	550	12.4	539.8	5.71	1.159
GEOM MEAN			0.012			419.6	5.15	0.831
MINIMUM		0.0020	0.005	550	12.4	111.0	1.67	0.120
STD DEV (GEOM *)			0.011			385.6	2.48	0.961
# SAMP IN STATISTICS		1	10	1	1	10	9	10
% SAMP (EXCLUDED)								

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: AT ORELL STREET CARSON  
 STATION TYPE: RIVER

STATION ID: 14-0028-042-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 33 15.24 LONG: 080 51 58.17

U T M: 17 0510260.0 5155420.0 4

REGION: 05

DISTANCE: 150.148

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820214	1500	34027	0101	23	0.012	0.001<	1335	0.008	10.00	0.01	4 6 8
820314	1515	34059	0101	55.0	0.160	0.002	1475	0.026	8.00	0.150	4 6 8
820417	1505	34088	0101	22.2			546.0	0.062	8.00	0.105	3 6 8
820515	1510	34116	0101	67.7			1320.0	0.026	9.00	0.035	6 8
820612	1320	34148	0101	41.9			1220.0	0.019	9.00	0.040<T	6 8
820717	1355	34180	0101	44.3			1050.0	0.020	9.00	0.060	6 8
820814	1405	34212	0101	41.6			1140.0	0.013	8.00	0.050	6 8
820920	1400	34244	0101	38.5			856.0	0.020	9.00	0.175	6 8
821016	1305	34276	0101	35.8			952.0	0.021	10.00	0.040<T	6 8
821112	0940	34297	0101	30.0			845.0	0.025	10.00	0.220	6 8
821213	1005	34329	0101	26.9			1078.0	0.008	10.00	0.040<T	6 8
MAXIMUM		0.30		67.7	0.160	0.002	1475	0.062	10.00	0.220	
ARITH MEAN		0.30		39	0.086	0.002	1074	0.023	9.09	0.08 <A	
GEOM MEAN				37	0.044		1040	0.019	9.06	0.06 <A	
MINIMUM		0.30		22.2	0.012	0.002	546.0	0.008	8.00	0.01	
STD DEV (GEOM *)				14	0.105		266	0.015	0.83	0.07 <A	
# SAMP IN STATISTICS		11		11	2	1	11	11	11	11	
% SAMP (EXCLUDED)						50					

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH
					NH3-N				K'DAHL N		
			MANGANESE	NICKEL	TOTAL	N02+N03N	N02-N	N03-N	TOTAL	LEAD	
SAMPLE		WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
DATE	HR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH
820214	1500	34027	0.002	0.042	3.45	6.50	1.80	4.70	4.25	0.003<	9.21
820314	1515	34059	0.014	0.049	2.080	5.950	1.3500	4.600	2.80	0.006	10.82
820417	1505	34088		0.440		2.850			1.02	0.003<	8.81
820515	1510	34116		0.110		5.750			3.38	0.006	11.11
820612	1320	34148		0.100		4.450			1.24	0.008	7.48
820717	1355	34180		0.120		2.800			0.36	0.020	7.73
820814	1405	34212		0.130		2.900			0.25	0.003	7.72
820920	1400	34244		0.310		1.950			0.23	0.005	7.68
821016	1305	34276		0.640		1.900			0.21	0.009	7.90
821112	0940	34297		0.610		1.950			0.230	0.019	7.77
821213	1005	34329		0.150		2.100			0.330	0.004	8.09

( CONT D )

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 280

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: AT ORELL STREET CARSON  
 STATION TYPE: RIVER

STATION ID: 14-0028-042-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 33 15.24 LONG: 080 51 58.17

U T M: 17 0510260.0 5155420.0 4

REGION: 05

DISTANCE: 150.148

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NN03FR NO3-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.	PH
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER TEMP DEG.C	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	PH
MAXIMUM		26.0	0.014	0.640	3.45	6.50	1.80	4.70	4.25	0.020	11.11
ARITH MEAN		9.4	0.008	0.246	2.76	3.55	1.57	4.65	1.30	0.009	8.57
GEOM MEAN			0.005	0.167	2.68	3.19	1.56	4.65	0.69		8.49
MINIMUM		0.0	0.002	0.042	2.080	1.900	1.3500	4.600	0.21	0.003	7.48
STD DEV (GEOM *)			0.008	0.221	0.97	1.78	0.32	0.07	1.48		1.29
# SAMP IN STATISTICS		10	2	11	2	11	2	2	11	9	11
% SAMP (EXCLUDED)										18	

*=INTERIM TEST-NAME:		PPO4FR PO4 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	RSF RESIDUE FILTERED	RSP RESIDUE PARTIC.	SS04UR SULPHATE UNF.REAC	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER MG/L AS P	MG/L AS P	MG/L	MG/L	MG/L AS S04		MG/L AS ZN
820214	1500	34027	0.001	0.012	935	0.7	444.0	0.006
820314	1515	34059	0.0020	0.023	893	5.3	374.0	0.017
820417	1505	34088		0.018			173.0	0.047
820515	1510	34116		0.023			403.0	0.018
820612	1320	34148		0.020			421.0	0.008
820717	1355	34180		0.034			42.0	0.019
820814	1405	34212		0.197			403.0	0.004
820920	1400	34244		0.010			310.2	0.012
821016	1305	34276		0.007			365.3	0.010
821112	0940	34297		0.017			290.50	0.018
821213	1005	34329		0.043			415.00	0.008
MAXIMUM		0.0020	0.197	935	5.3	444.0	6.90	0.047
ARITH MEAN		0.001	0.037	914	3.0	331.0	1.99	0.015
GEOM MEAN		0.001	0.023	914	1.9	287.9	1.39	0.012
MINIMUM		0.001	0.007	893	0.7	42.0	0.47	0.004
STD DEV (GEOM *)		0.001	0.054	30	3.3	123.2	2.04	0.012
# SAMP IN STATISTICS		2	11	2	2	11	9	11
% SAMP (EXCLUDED)								

B.O.W./ SITE: NOLIN CREEK

SAMPLE POINT: AT HIGHWAY NO 144

STATION TYPE: RIVER FLOW GAUGE FED 02CF009

STATION ID: 14-0028-043-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 29 31.96

LONG: 081 01 22.56

U T M: 17 0498240.0 5148520.0 4

REGION: 05

DISTANCE: 139.848

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWFLOW
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	STREAM
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	/S
820314	1030	34050	0101	528.0	0.590	0.001<	3210	0.130	6.00	0.95	0.600
820416	1835	34074	0101	2.7			436.0	2.800U	5.00	15.380	2.090
820516	1000	34126	0101	975.7			5610.0	0.063U	7.00	0.380	0.081
820613	0905	34158	0101	217.6			3160.0	0.024U	6.00	0.125	0.017
820718	0955	34190	0101	205.2			2820.0	0.020	7.00	0.110	0.014
820815	0925	34222	0101	1094.3			6060.0	0.067	7.00	0.035<T	0.017
820921	1015	34254	0101	0.1<T			1290.0	8.600	7.00	23.500	0.465
821017	1005	34286	0101	127.7			1450.0	0.049	8.00	0.170	0.309
821114	1045	34315	0101	31.9			705.0	0.850	7.00	4.080	0.620
	1220	34318	0101	696.0			2220.0	6.600	4.00	40.500	0.620
821214	1040	34350	0101	1321.0			6220.0	0.032	7.00	0.050	0.088
		MAXIMUM	0.30	1321.0	0.590		6220.0	8.600	8.00	40.500	2.090
		ARITH MEAN	0.30	472.7<A	0.590		3016	1.749	6.45	7.75 <A	0.447
		GEOM MEAN		108.9<A			2256	0.219	6.35	0.80 <A	0.162
		MINIMUM	0.30	0.1	0.590		436.0	0.020	4.00	0.035	0.014
		STD DEV (GEOM *)		480.2<A			2108	3.041	1.13	13.36 <A	0.602
		# SAMP IN STATISTICS	11	11	1		11	11	11	11	11
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT
						NH3-N				K'DAHL N	
				MANGANESE	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD
SAMPLE			WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.
DATE	HR	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	COND.	DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB
820314	1030	34050	6 8 9	0.0	0.036	0.290	7.350	1.150	0.012	1.140	0.003<
820416	1835	34074	3 6 8	3.0		4.800U		2.250		1.73	0.007U
820516	1000	34126	6 8	16.0		0.066U		0.315		22.50	0.044U
820613	0905	34158	6 8	20.0		0.040U		0.130		27.00	0.200U
820718	0955	34190	6 8	25.0		0.026		0.415		22.20	0.012
820815	0925	34222	6 8	19.0		0.016		0.270		28.00	0.003<
820921	1015	34254	6 8 9	12.0		22.000		1.600		3.45	0.017
821017	1005	34286	6 8	3.0		0.120		0.765		3.65	0.003<
821114	1045	34315	3 6 8	1.0		2.900		3.150		0.825	0.018
	1220	34318	6 8	2.0		19.000		0.940		3.000	0.030
821214	1040	34350	6 8 4			0.022		0.850		9.500	0.003<

( C O N T D )



B.O.W./ SITE: NOLIN CREEK  
SAMPLE POINT: AT HIGHWAY NO 144  
STATION TYPE: RIVER FLOW GAUGE FED 02CF009

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STATION ID: 14-0028-043-02

STORET CODE: 02  
002  
7950

LAT: 46 29 31.96 LONG: 081 01 22.56 U T M: 17 0498240.0 5148520.0 4 REGION: 05 DISTANCE: 139.848

[illegible][illegible]

B.O.W./ SITE: SPANISH RIVER

SAMPLE POINT: UPSTR.FROM E B EDDY PAPER MILL ESPANOLA

STATION TYPE: RIVER FLOW GAUGE FED 02CE001

STATION ID: 14-0028-045-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 16 16.33

LONG: 081 46 09.31

U T M: 17 0440725.0 5124250.0 4

REGION: 05

DISTANCE: 50.532

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWFLOW	FWSTRC	FWTEMP
				BOD 5 DAY TOT.DEM. MG/L AS O	CHLORIDE UNF.REAC MG/L AS CL	CHEM. OX DEMAND MG/L AS O	CONDUCT. 25C UMHO/CM AT 25 C	DISOLVED OXYGEN MG/L AS O	STREAM FLOW M3 /S	STREAM COND.	WATER TEMP DEG.C
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE							
820616	1110	34603	0.30	0101	0.77	6.00	16	140.0	9.40	44.400	19.0
820623	1035	34607	0.30	0101	0.61	6.10	14	143.0	9.20	39.900	8 18.0
820629	1025	34611	0.30	0101	0.27<T	5.95	14	142.0	9.80	47.200	8 20.5
820706	1820	34615	0.30	0101	0.31<T	3.90	14	106.0	10.10	46.900	19.5
820713	1034	34619	0.30	0101		0.70	14	88.3	8.50	50.200	8 21.0
820720	1025	34623	0.30	0101	0.62	5.55	16	138.0	8.80	40.600	22.5
820727	1815	34627	0.30	0101	0.57	4.30	12	114.0	10.00	40.500	25.6
820804	1059	34643	0.30	0101	0.30<T	4.25	14	112.0	8.00	23.700	20.0
820809	1800	34647	0.30	0101	0.48	3.95	8	106.0	8.60	31.400	8 21.0
820817	1720	34651	0.30	0101	0.63	3.85	12	107.0	8.40	25.500	8 21.0
820824	1745	34655	0.30	0101	0.29<T	5.15	22	96.9	8.20	26.300	22.0
820831	1803	34659	0.30	0101	0.65	3.40	12	101.0	8.50	28.300	19.0
820907		34663	0.30	0101	0.52	2.55	12	84.6	8.20	45.100	8 18.0
820922		34667	0.30	0101	0.47	1.96	11.7	77.7	9.10	98.000	8 16.0
MAXIMUM		0.30			0.77	6.10	22	143.0	10.10	98.000	25.6
ARITH MEAN		0.30			0.50<A	4.11	14	111.2	8.91	42.000	20.2
GEOM MEAN					0.47<A	3.67	13	109.2	8.89	39.197	20.1
MINIMUM		0.30			0.27	0.70	8	77.7	8.00	23.700	16.0
STD DEV (GEOM *)					0.16<A	1.60	3	21.9	0.70	18.464	2.3
# SAMP IN STATISTICS		14			13	14	14	14	14	14	14
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB
			K'DAHL N TOTAL		PHOSPHOR	RESIDUE	SULPHATE	
		NO2+NO3N FIL.REAC	FIL.TOT.		UNF.TOT.	PARTIC.	UNF.REAC	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	MG/L AS N	MG/L AS N	MG/L AS P	MG/L	MG/L AS SO4	TURB'ITY FTU
820616	1110	34603	0.715	0.51	7.04	0.010	2.080	1.26
820623	1035	34607	0.685	0.63	7.18	0.007	0.800<T	1.54
820629	1025	34611	0.495	0.55	7.04	0.013	0.750<T	1.37
820706	1820	34615	0.260	0.42	7.18	0.011	1.080	1.26
820713	1034	34619	0.220	0.36	7.15	0.007	0.680<T	1.16
820720	1025	34623	0.420	0.48	7.14	0.007	1.300	1.18
820727	1815	34627	0.280	0.33	7.30	0.014	0.610<T	0.96
820804	1059	34643	0.245	0.37	7.21	0.005	0.850<T	1.11
820809	1800	34647	0.240	0.05	7.10	0.025	1.180	1.49
820817	1720	34651	0.210	0.39	7.61	0.010	0.860<T	1.17



B.O.W./ SITE: JUNCTION CREEK

SAMPLE POINT: UPSTREAM OF SIMON LAKE AT RESERVE ROAD

STATION TYPE: RIVER

STATION ID: 14-0028-046-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 24 09.26 LONG: 081 10 46.28

U T M: 17 0486200.0 5138575.0 4

REGION: 05

DISTANCE: 112.973

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	STREAM
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	COND.
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	
820212	1200	34000	0101	23	0.240	0.001<	1260	0.024	8.00	3.60	4 6 8
820312	1400	34033	0101	52.0	0.180	0.001	1395	0.026	7.00	1.08	4 6 8
820416	1245	34065	0101					0.064	7.00		3 6 8
820514	1730	34100	0101	5.5			1190.0	0.034	8.00	1.445	6 8
820611	1700	34132	0101	2.5			1180.0	0.045	6.00	1.645	6 8 9
820716	1145	34164	0101	2.6			1360.0	0.030	7.00	0.375	6 8 9
820813	1020	34196	0101	7.7			1202.0	0.021	7.00	0.835	6 8 9
820919	1310	34228	0101	2.3			1350.0	0.033	8.00	0.790	6 8 9
821015	1000	34260	0101	1.4			1300.0	0.004	8.00	0.660	6 8 9
821113	0810	34310	0101	1.4			1030.0	0.052	9.00	0.890	3 6 8
821214	0710	34342	0101	4.7			925.0	0.035	9.00	0.315	6 8
MAXIMUM		0.30		52.0	0.240	0.001	1395	0.064	9.00	3.60	
ARITH MEAN		0.30		10	0.210	0.001	1219	0.033	7.64	1.16	
GEOM MEAN				5	0.208		1210	0.028	7.58	0.92	
MINIMUM		0.30		1.4	0.180	0.001	925.0	0.004	6.00	0.315	
STD DEV (GEOM *)				16	0.042		149	0.016	0.92	0.95	
# SAMP IN STATISTICS		11		10	2	1	10	11	11	10	
% SAMP (EXCLUDED)						50					

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	
					NH3-N				K'DAHL N			
			MANGANESE	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD		
SAMPLE		WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		
DATE	HOUR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		
YYMMDD	LMT	DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	
820212	1200	34000	0.0	0.480	0.930	6.550	3.050	4.200	1.300	7.00	0.011	5.15
820312	1400	34033	0.0	0.280	0.054	7.150	1.050	0.0190	1.030	17.50	0.007	7.40
820416	1245	34065	2.0		0.420						0.009	
820514	1730	34100	16.0		0.580		2.600			13.30	0.011	4.50
820611	1700	34132	18.0		0.630		3.050			11.20	0.010	4.92
820716	1145	34164	26.0		0.450		3.600			5.55	0.005	4.84
820813	1020	34196	18.0		0.590		3.800			3.60	0.006	5.22
820919	1310	34228	12.0		0.540		3.600			5.00	0.003	4.52
821015	1000	34260	3.0		0.010		5.750			4.15	0.006	5.24
821113	0810	34310	1.0		0.900		5.750			2.250	0.016	4.80
821214	0710	34342			0.780		6.000			0.910	0.003<	6.32

(CONT'D)

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: UPSTREAM OF SIMON LAKE AT RESERVE ROAD  
 STATION TYPE: RIVER

STATION ID: 14-0028-046-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 24 09.26 LONG: 081 10 46.28 U T M: 17 0486200.0 5138575.0 4 REGION: 05 DISTANCE: 112.973

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNO3FR NO3-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.	PH	
SAMPLE DATE YYMMDD	HR LMT	SAMPLE NUMBER	WATER TEMP DEG.C	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	PH
		MAXIMUM	26.0	0.480	0.930	7.150	6.000	4.200	1.300	17.50	0.016	7.40
		ARITH MEAN	9.6	0.380	0.535	6.850	3.825	2.109	1.165	7.05	0.008	5.29
		GEOM MEAN		0.367	0.343	6.843	3.463	0.282	1.157	5.24		5.23
		MINIMUM	0.0	0.280	0.010	6.550	1.050	0.0190	1.030	0.910	0.003	4.50
		STD DEV (GEOM *)		0.141	0.298	0.424	1.586	2.956	0.191	5.30		0.90
		# SAMP IN STATISTICS	10	2	11	2	10	2	2	10	10	
		% SAMP (EXCLUDED)								9		

*=INTERIM TEST-NAME:		PPO4FR P04 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	RSF RESIDUE FILTERED	RSP RESIDUE PARTIC.	SSO4UR SULPHATE UNF.REAC	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.	
SAMPLE DATE YYMMDD	HR LMT	SAMPLE NUMBER	MG/L AS P	MG/L AS P	MG/L	MG/L AS S04	FTU	MG/L AS ZN	
820212	1200	34000	0.001 <T	0.040	922	9.0	493.0	0.029	
820312	1400	34033	0.0790	0.270	990	8.3	566.0	0.026	
820416	1245	34065						0.073	
820514	1730	34100		0.125		470.0	12.00	0.028	
820611	1700	34132		0.168		474.0	18.30	0.025	
820716	1145	34164		0.040		58.0	2.80	0.029	
820813	1020	34196		0.081		475.0	3.50	0.014	
820919	1310	34228		0.290		528.0	6.60	0.015	
821015	1000	34260		0.126		496.0	5.10	0.011	
821113	0810	34310		0.118		385.60	9.40	0.026	
821214	0710	34342		0.107		353.10	2.70	0.021	
		MAXIMUM	0.0790	0.290	990	9.0	566.0	18.30	0.073
		ARITH MEAN	0.040 <A	0.136	956	8.6	429.9	7.55	0.027
		GEOM MEAN	0.009 <A	0.113	955	8.6	378.9	6.07	0.024
		MINIMUM	0.001	0.040	922	8.3	58.0	2.70	0.011
		STD DEV (GEOM *)	0.055 <A	0.085	48	0.5	144.6	5.45	0.017
		# SAMP IN STATISTICS	2	10	2	2	10	8	11
		% SAMP (EXCLUDED)							

B.O.W./ SITE: JUNCTION CREEK

SAMPLE POINT: 100 FEET UPSTR.OF SUDBURY STP OUTFALL

STATION TYPE: RIVER

STATION ID: 14-0028-047-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 27 50.87 LONG: 081 02 06.59

U T M: 17 0497300.0 5145400.0 4

REGION: 05

DISTANCE: 129.227

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP
				ALK	ALUMINUM	CONDUCT.	COPPER	DISOLVED	IRON		
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP
YYMMDD	LMT	NUMBER	CODE	AS CACO3	AS AL	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C
820214	0835	34015	0101	84	0.088	2650	0.050	7.00	0.50	4 6 8	0.0
820314	0850	34047	0101	49	0.760U	2370	0.210U	7.00	1.50	4 6 9	0.0
820416	1720	34071	0101	8.7		750.0	0.460U	6.00	4.800	3 6 8	3.0
820516	0825	34123	0101	23.0		2010.0	0.065U	7.00	0.705	6 8 9	15.0
820613	0755	34155	0101	31.2		2510.0	0.071	7.00	1.350	6 8 9	19.0
820718	0825	34187	0101	30.6		2410.0	0.060	7.00	0.840	6 8 9	25.0
820815	0800	34219	0101	35.7		3060.0	0.008	7.00	2.400	6 8 9	19.0
820921	0850	34251	0101	21.7		1340.0	1.500	7.00	5.500	6 8 9	12.0
821017	0835	34283	0101	12.3		1580.0	0.820	8.00	3.800	6 8 9	3.0
821214	0935	34347	0101	33.2		1890.0	0.160	8.00	1.675	6 8	
MAXIMUM		0.30		84	0.760	3060.0	1.500	8.00	5.500		25.0
ARITH MEAN		0.30		33	0.424	2057	0.340	7.10	2.31		10.7
GEOM MEAN				28	0.259	1926	0.136	7.08	1.73		
MINIMUM		0.30		8.7	0.088	750.0	0.008	6.00	0.50		0.0
STD DEV (GEOM *)				21	0.475	688	0.478	0.57	1.78		
# SAMP IN STATISTICS		10		10	2	10	10	10	10		9
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PP04FR	PPUT
			NH3-N				K'DAHL N				
		NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD		P04	PHOSPHOR
SAMPLE		UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		FIL.REAC	UNF.TOT.
DATE	HR	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L
YYMMDD	LMT	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	AS P	AS P
820214	0835	0.360	46.500	1.850	0.220	1.630	62.00	0.003<	9.37	0.001 <T	0.023
820314	0850	0.390U	29.800	1.250	0.1450	1.100	34.60	0.024U	9.14	0.0010	0.033
820416	1720	1.700U		0.685			6.30	0.005U	7.05		0.150
820516	0825	4.500U		3.150			13.50	0.018U	7.38		0.048
820613	0755	3.700		1.950			17.80	0.003<	7.64		0.040
820718	0825	1.100		1.400			11.25	0.008	8.61		0.060
820815	0800	0.036		2.250			18.00	0.003<	9.27		0.025
820921	0850	5.600		2.950			2.00	0.003<	7.12		0.070
821017	0835	4.000		2.050			2.17	0.014	7.35		0.065
821214	0935	0.610		2.250			8.750	0.003<	7.43		0.035
MAXIMUM		5.600	46.500	3.150	0.220	1.630	62.00	0.024	9.37	0.0010	0.150
ARITH MEAN		2.200	38.150	1.978	0.182	1.365	17.64	0.014	8.04	0.001 <A	0.055
GEOM MEAN		1.080	37.225	1.828	0.179	1.339	10.96		7.99	0.001 <A	0.047
MINIMUM		0.036	29.800	0.685	0.1450	1.100	2.00	0.005	7.05	0.001	0.023
STD DEV (GEOM *)		2.046	11.809	0.747	0.053	0.375	18.27		0.95	0.000 <A	0.037
# SAMP IN STATISTICS		10	2	10	2	2	10	5	10	2	10
% SAMP (EXCLUDED)								50			

( C O N T D )

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: 100 FEET UPSTR.OF SUDBURY STP OUTFALL  
 STATION TYPE: RIVER

STATION ID: 14-0028-047-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 27 50.87 LONG: 081 02 06.59

U T M: 17 0497300.0 5145400.0 4

REGION: 05

DISTANCE: 129.227

*=INTERIM TEST-NAME:		RSF	RSP	SS04UR	TURB	ZNUT
		RESIDUE	RESIDUE	SULPHATE		ZINC
SAMPLE		FILTERED	PARTIC.	UNF.REAC	TURB'ITY	UNF.TOT.
DATE	HR	MG/L	MG/L	MG/L	FTU	MG/L
YYMMDD	LMT	NUMBER		AS S04		AS ZN
820214	0835	34015	2056	4.7		0.016
820314	0850	34047	1664	46.1		0.061U
820416	1720	34071		293.0	46.00	0.082U
820516	0825	34123		850.0	8.00	0.090U
820613	0755	34155		1190.0	12.40	0.110
820718	0825	34187		1270.0	13.20	0.030
820815	0800	34219		2280.0	14.30	0.001<
820921	0850	34251		555.5	28.00	0.190
821017	0835	34283		676.0	23.00	0.190
821214	0935	34347		842.00	10.60	0.100
MAXIMUM		2056	46.1	2280.0	46.00	0.190
ARITH MEAN		1860	25.4	968.2	19.44	0.097
GEOM MEAN		1850	14.7	838.7	16.64	
MINIMUM		1664	4.7	293.0	8.00	0.016
STD DEV (GEOM *)		277	29.3	575.2	12.62	
# SAMP IN STATISTICS		2	2	9	8	9
% SAMP (EXCLUDED)						10

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: AT KELLEY LAKE ROAD  
 STATION TYPE: RIVER FLOW GAUGE FED 02CF106

STATION ID: 14-0028-048-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 27 58.97 LONG: 081 01 58.39

U T M: 17 0497475.0 5145650.0 4

REGION: 05

DISTANCE: 130.514

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CRUT	CUUT	DO	FCMF	FEUT
				ALK	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	FECAL	IRON
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN	COLIFORM	UNF.TOT.
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	MF	MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS CL	AT 25 C	AS CR	AS CU	AS O	CNT	AS FE
										/100ML	
820214	0810	34014	0101	77	103.00	960	0.003	0.023	8.00	4<	0.41
820314	0830	34046	0101	51.0	365.00	1580	0.004U	0.095U	7.00		1.96
820416	1700	34070	0101	17.3	31.40	299.0		0.490	6.00		3.550
820516	0810	34122	0101	43.6	142.00	1280.0		0.110	7.00		0.685
820613	0735	34154	0101	67.6	136.00	1270.0		0.110	7.00		0.845
820718	0805	34186	0101	74.1	129.00	1080.0		0.099	7.00		0.805
820815	0740	34218	0101	102.6	152.00	1160.0		0.051	7.00		0.540
820921	0830	34250	0101	28.0	54.00	719.0		2.100	7.00		7.300
821017	0815	34282	0101	34.2	57.00	818.0		0.780	8.00		1.980
821114	1020	34314	0101	39.5	25.80	414.0		0.960	7.00		3.650
821214	0915	34346	0101	48.5	150.50	955.0		0.370	8.00		0.835
MAXIMUM		0.30		102.6	365.00	1580	0.004	2.100	8.00		7.300
ARITH MEAN		0.30		53	122.34	958	0.003	0.472	7.18		2.05
GEOM MEAN				48	94.46	870	0.003	0.212	7.16		1.37
MINIMUM		0.30		17.3	25.80	299.0	0.003	0.023	6.00		0.41
STD DEV (GEOM *)				25	93.85	381	0.001	0.626	0.60		2.09
# SAMP IN STATISTICS		11		11	11	11	2	11	11		11
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR
				NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		PHENOLS	P04
SAMPLE			WATER	UNF.TOT.	TOTAL	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC
DATE	HR	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L
YYMMDD	LMT	COND.	DEG.C	AS NI	AS N	AS N	AS N	AS PB	PH	PHENOL	AS P
820214	0810	34014	4 6 8	0.0	0.470			0.006	8.96	1	
820314	0830	34046	4 6 8	0.0	0.350U			0.028U	7.47	3.0	
820416	1700	34070	3 6 8	2.0	1.700	0.036	0.150	0.005	7.18		0.0005<W
820516	0810	34122	6 8 9	15.0	7.000	0.008	4.050	0.025	7.36		0.0010<T
820613	0735	34154	6 8 9	19.0	5.800	0.010	2.750	0.013	7.44		0.0010
820718	0805	34186	6 8 9	25.0	4.100	0.004	1.350	0.008	7.61		0.0030
820815	0740	34218	6 8 9	19.0	1.600	0.004<T	0.940	0.005	7.65		0.0055
820921	0830	34250	6 8 9	12.0	8.200		0.870	0.004	6.96		0.0010<W
821017	0815	34282	6 8 9	3.0	5.100	0.690	0.710	0.007	7.35		0.0010<T
821114	1020	34314	3 6 8	1.0	3.300	0.080	1.950	0.019	7.41		0.0080
821214	0915	34346	6 8		2.600	0.002<T	1.200	0.003<	7.69		0.0050<T

( C O N T D )



MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 290

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: AT KELLEY LAKE ROAD  
 STATION TYPE: RIVER FLOW GAUGE FED 02CF106

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STATION ID: 14-0028-048-02

STORET CODE: 02  
 002  
 7950

LAT: 46 27 58.97 LONG: 081 01 58.39 U T M: 17 0497475.0 5145650.0 4 REGION: 05 DISTANCE: 130.514

*=-INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N TOTAL	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PP04FR
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PHENOLS UNF-REAC UG/L PHENOL	PO4 FIL.REAC MG/L AS P

MAXIMUM				25.0	8.200	0.690	4.050	1.95	0.028	8.96	3.0	0.0080
ARITH MEAN				9.6	3.656	0.104<A	1.552	0.91	0.012	7.55	2	0.0029<A
GEOM MEAN					2.526	0.016<A	1.132	0.76		7.54	2	0.0019<A
MINIMUM				0.0	0.350	0.002	0.150	0.280	0.004	6.96	1	0.0005
STD DEV (GEOM *)					2.628	0.238<A	1.200	0.59		0.51	1	0.0027<A
# SAMP IN STATISTICS				10	11	8	9	8	10	11	2	9
% SAMP (EXCLUDED)									9			

*=-INTERIM TEST-NAME:		PPUT	RSP	SS04UR	TCMF COLIFORM TOTAL MF CNT /100ML	TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML	TURB	ZNUT
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE PARTIC. MG/L	SULPHATE UNF.REAC MG/L AS SO4		TURB'ITY FTU	ZINC UNF.TOT. MG/L AS ZN

820214	0810	34014	0.043	4.8		20<	2.20	0.026
820314	0830	34046	0.067	27.8		20<=>	27.00	0.082U
820416	1700	34070	0.125	68.400	64.7		30.00	0.110
820516	0810	34122	0.070	11.300	391.0		8.50	0.140
820613	0735	34154	0.045	11.800	388.0		9.30	0.250
820718	0805	34186	0.043	8.110	33.3		6.30	0.070
820815	0740	34218	0.036	2.050	295.0		3.90	0.019
820921	0830	34250	0.045		238.4		33.00	0.240
821017	0815	34282	0.043	29.500	295.8		13.70	0.250
821114	1020	34314	0.275	51.100	115.40		18.40	0.120
821214	0915	34346	0.019	9.930	195.60		8.40	0.250

MAXIMUM			0.275	68.400	391.0	20	33.00	0.250
ARITH MEAN			0.074	22.5	224.1	20	14.61	0.142
GEOM MEAN			0.056	14.1	174.9		10.84	0.106
MINIMUM			0.019	2.050	33.3	20	2.20	0.019
STD DEV (GEOM *)			0.072	22.0	132.1		10.89	0.091
# SAMP IN STATISTICS			11	10	9	1	11	11
% SAMP (EXCLUDED)								

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: AT KING STREET SUDBURY  
 STATION TYPE: RIVER FLOW GAUGE FED.02CF005

STATION ID: 14-0028-049-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 30 13.44 LONG: 080 59 10.74 U T M: 17 0501050.0 5149800.0 4, REGION: 05 DISTANCE: 137.273

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CRUT	CUUT	DO	FCMF	FEUT
				ALK	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	FECAL	IRON
SAMPLE DATE	YEAR	SAMPLE DEPTH	PROJECT SUB-PROJ	TOTAL MG/L	UNF.REAC MG/L	25C UMHO/CM	TOT. MG/L	UNF.TOT. MG/L	OXYGEN MG/L	COLIFORM MF	UNF.TOT. MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS CL	AT 25 C	AS CR	AS CU	AS O	/100ML	AS FE
820214	1030	34019	0101	73	45.50	550	0.005	0.100	7.00	224	1.46
820314	1100	34051	0101	51	314.00	1275	0.006	0.083	6.00		1.980
820418	1730	34095	0101	13.1	19.20	203.0		0.100	6.00		0.475
820516	1030	34127	0101	46.0	117.00	1080.0		0.300	7.00		0.920
820613	0935	34159	0101	64.8	83.00	978.0		0.280	6.00		1.050
820718	1020	34191	0101	72.1	93.00	664.0		0.048	7.00		0.395
820815	1000	34223	0101	122.6	120.00	1110.0		0.034	6.00		0.110
820921	1040	34255	0101	49.5	53.50	566.0		0.190	7.00		0.805
821017	1030	34287	0101	45.5	56.50	682.0		0.550	7.00		0.785
821114	1250	34319	0101	30.2	15.50	254.0		0.100	6.00		0.400
821214	1115	34351	0101	45.2	40.50	511.0		0.550	6.00		0.840
MAXIMUM		0.30		122.6	314.00	1275	0.006	0.550	7.00	224	1.980
ARITH MEAN		0.30		56	87.06	716	0.005	0.212	6.45	224	0.84
GEOM MEAN				49	62.46	624	0.005	0.146	6.44		0.67
MINIMUM		0.30		13.1	15.50	203.0	0.005	0.034	6.00	224	0.110
STD DEV (GEOM *)				28	83.20	352	0.001	0.188	0.52		0.53
# SAMP IN STATISTICS		11		11	11	11	2	11	11	1	11
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWFLOW	FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PHNOL
					NICKEL	TOTAL	NO2+NO3N	K'DAHL N	LEAD		PHENOLS
SAMPLE DATE	YEAR	STREAM FLOW	COND.	TEMP	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC
YYMMDD	LMT	M3 /S		DEG.C	MG/L	AS N	MG/L	MG/L	MG/L	AS PB	UG/L
					AS NI	AS N	AS N	AS N			PHENOL
820214	1030	34019	0.180	4	0.0	0.380			0.014	7.75	1 <T
820314	1100	34051	0.950	4 6 8	0.0	0.190			0.041	7.32	4.0
820418	1730	34095	10.700	3 6 8	2.0	1.200		0.54	0.003<	7.19	1.0<T
820516	1030	34127	0.453	6 8	16.0	7.500	0.080	3.950	0.029	7.68	
820613	0935	34159	0.179	6 7 9	19.0	12.000	0.460	2.500	0.009	7.53	
820718	1020	34191	0.130	6 7 9	26.0	1.600	0.030	0.380	0.011	7.76	
820815	1000	34223	0.094	6 7 9	19.0	4.400	0.120	0.655	0.003	7.68	
820921	1040	34255	1.390	6 7 9	12.0	3.400	0.062	0.325	0.005	7.63	
821017	1030	34287	0.864	6 7 9	3.0	5.700	0.184	0.465	0.003	7.52	
821114	1250	34319	3.660	6 7 9	1.0	0.940	0.030	0.270	0.010	11.82	
821214	1115	34351	0.461	4 6 8		2.400	0.128	0.550	0.010	7.24	

STATION ID: 14-0028-049-02

STORET CODE: 02  
002  
7950

*INTERIM		TEST-NAME:	FWFLOW	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N	NNOTFR	NNTKUR K'DAHL N	PBUT	PH	PHNOL
			STREAM FLOW			NICKEL UNF. TOT.	TOTAL FIL. REAC	NO2+NO3N FIL. REAC	TOTAL FIL. TOT.	LEAD UNF. TOT.		PHENOLS UNF-REAC
SAMPLE DATE	HR	SAMPLE YMMDD	M3 /S	STREAM COND.	WATER TEMP DEG. C	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB	PH	UG/L PHENOL

* = INTERIM		TEST-NAME:	PP04FR	PPUT	RSP	SS04UR	TCMF	TCMFBK	TURB	ZNUT
			P04	PHOSPHOR		SULPHATE	COLIFORM	COLIFORM		
			FIL.REAC	UNF.TOT.	RESIDUE	UNF.REAC	TOTAL	TOTAL MF		ZINC
SAMPLE	DATE	TIME	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	SAMPLE	AS P	AS P	MG/L	AS S04	CNT	CNT	TURB'ITY	AS ZN
		NUMBER					/100ML	/100ML	FTU	

MAXIMUM	0.1600	0.195	23.0	339.0	1540	1740	28.00	0.430
ARITH MEAN	0.0289<A	0.056	10.8	175.1	1540	1740	9.09	0.193
GEOM MEAN	0.0075<A	0.043	8.0	130.6			7.07	0.150
MINIMUM	0.0010	0.012	1.610	30.6	1540	1740	1.70	0.059
EV (GEOM *)	0.0547<A	0.050	7.7	119.8			7.17	0.136
STATISTICS (EXCLUDED)	8	11	10	9	1	1	11	11

B.O.W./ SITE: VERMILLION RIVER  
 SAMPLE POINT: ON ROAD TO VAL THERESE  
 STATION TYPE: RIVER

STATION ID: 14-0028-050-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 41 08.69 LONG: 081 00 32.95 U T M: 17 0499300.0 5170025.0 4 REGION: 05 DISTANCE: 204.542

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	CONDAM	COND25	CUUT	DO	FCMF	FEUT
				ALK	CHLORIDE	CONDUCT.	CONDUCT.	COPPER	DISOLVED	FECAL	IRON
SAMPLE DATE	HOUR	SAMPLE	SAMPLE	PROJECT	UNF. REAC	AMBIENT	25C	UNF. TOT.	OXYGEN	COLIFORM	UNF. TOT.
YYMMDD	LMT	NUMBER	DEPTH	SUB-PROJ	MG/L	UMHO/CM	UMHO/CM	MG/L	MG/L	MF	MG/L
			M	CODE	AS CAC03	AS CL	AT 25 C	AS CU	AS O	CNT	AS FE
										/100ML	
820214	1200	34022	0.30	0101	18	1.35	74	0.005	13.00	4<	
820314	1225	34054	0.30	0101	29.0	6.20	111	0.003	13.00		
820417	1315	34085	0.30	0101	16.9	4.60	84.3	0.015	11.00		0.445
820515	1325	34113	0.30	0101	10.8	1.70	58.6	0.004	12.00		0.170
820612	1145	34145	0.30	0101	16.7	7.80	96.8	0.002	12.00		0.150
820717	1230	34177	0.30	0101	25.4	5.75	109.0	0.002	12.00		0.100
820814	1225	34209	0.30	0101	25.5	5.85	68 108.0	0.002	11.00		0.090
820920	1215	34241	0.30	0101	23.6	8.60	113.0	0.014	12.00		0.130
821016	1135	34273	0.30	0101	13.2	1.86	69.2	0.003	12.00		0.305
821112	1110	34300	0.30	0101	15.1	6.67	87.9	0.003	12.00		0.185
821213	1130	34332	0.30	0101			73.4	0.001	13.00		
		MAXIMUM	0.30		29.0	8.60	68 113.0	0.015	13.00		0.445
		ARITH MEAN	0.30		19	5.04	68 90	0.005	12.09		0.197
		GEOM MEAN			19	4.23	88	0.003	12.07		0.172
		MINIMUM	0.30		10.8	1.35	68 58.6	0.001	11.00		0.090
		STD DEV (GEOM *)			6	2.59	19	0.005	0.70		0.120
		# SAMP IN STATISTICS	11		10	10	1	11	11		8
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH
				NICKEL	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD	
SAMPLE DATE	HOUR	SAMPLE	STREAM	UNF. TOT.	FIL. REAC	FIL. REAC	FIL. REAC	FIL. REAC	FIL. TOT.	UNF. TOT.	
YYMMDD	LMT	NUMBER	COND.	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
				AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH
820214	1200	34022	4 6 8	0.0	0.092	0.150	0.013	0.135	0.25	0.003<	7.42
820314	1225	34054	4 6 8	0.0	0.302	0.190	0.0110	0.180	0.47	0.003<	7.55
820417	1315	34085	3 6 8	0.2	0.012	0.405	0.004<	0.405	0.29	0.014	7.29
820515	1325	34113	6 8	15.0	0.007	0.175			0.24	0.003<	7.24
820612	1145	34145	6 8	18.0	0.008	0.040			0.20	0.003<	7.57
820717	1230	34177	6 8	25.0	0.006	0.325			0.25	0.003<	7.54
820814	1225	34209		18.0	0.004	0.045			0.18	0.003<	7.64
820920	1215	34241	6 8	11.0	0.064	0.050			0.18	0.003	7.39
821016	1135	34273	6 8 9	2.0	0.002	0.040			0.17	0.003<	7.24
821112	1110	34300	3 6 8	1.0	0.004	0.110			0.200	0.003<	7.53
821213	1130	34332	6 8		0.004	0.260			0.150	0.003<	7.68

( CONTD )

STATION ID: 14-0028-050-02

STORET CODE: 02  
002  
7950

DISTANCE: 204.542

[illegible]

B.O.W./ SITE: SPANISH RIVER

SAMPLE POINT: UPSTR.FROM CONFLUENCE WITH AUX SABLES R.

STATION TYPE: RIVER

STATION ID: 14-0028-055-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 12 37.94 LONG: 082 02 32.13 U T M: 17 0419600.0 5117750.0 4 REGION: 05 DISTANCE: 32.508

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWSTRC	FWTEMP	NNOTFR
				BOD 5 DAY TOT.DEM.	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN			NO2+NO3N FIL.REAC
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	MG/L AS O	MG/L AS CL	MG/L AS O	UMHO/CM AT 25 C	MG/L AS O	STREAM COND.	WATER TEMP DEG.C	MG/L AS N
820616	1515	34605	0.30	1.75	12.40	24	125.0	5.70		20.0	0.195
820623	1253	34609	0.30	0.57	3.60	16	104.0	7.60	8	18.0	0.365
820629	1313	34613	0.30	0.35<T	4.70	12	120.0	9.20	8	20.5	0.495
820706	1500	34617	0.30	0.74	4.65	22	121.0	8.40		18.5	0.320
820713	1243	34621	0.30		3.70	14	100.0	7.60	8	21.0	0.220
820720	1242	34625	0.30	1.39	9.05	26	119.0	5.60		22.5	0.160
820727	1430	34629	0.30	2.40	11.80	26	113.0	6.20		25.5	0.110
820804	1240	34645	0.30	2.10	13.80	18	130.0	3.10		20.5	0.100
820809	1305	34649	0.30	4.40	18.00	30	150.0	0.40	8	22.0	0.010
820817	1447	34653	0.30	1.61	17.80	36	147.0	1.80		21.5	0.075
820824	1255	34657	0.30	1.39	17.40	26	153.0	2.80		21.0	0.090
820831	1440	34661	0.30	1.33	18.60	32	145.0	3.30		19.0	0.085
820907		34665	0.30	1.26	13.50	24	134.0	5.30	8	17.5	0.115
820922	1239	34669	0.30	3.56	8.67	27.5	110.0	8.70	8	15.0	0.085
MAXIMUM		0.30		4.40	18.60	36	153.0	9.20		25.5	0.495
ARITH MEAN		0.30		1.76<A	11.26	24	126.5	5.41		20.2	0.173
GEOM MEAN				1.43<A	9.69	23	125.4	4.34		20.0	0.126
MINIMUM		0.30		0.35	3.60	12	100.0	0.40		15.0	0.010
STD DEV (GEOM *)				1.15<A	5.60	7	17.3	2.76		2.5	0.135
# SAMP IN STATISTICS		14		13	14	14	14	14		14	14
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNTKUR	PH	PPUT	RSP	SS04UR	TURB
		K'DAHL N TOTAL FIL.TOT.		PHOSPHOR UNF.TOT.	RESIDUE PARTIC.	SULPHATE UNF.REAC	TURB'ITY FTU
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	MG/L AS N	MG/L AS P	MG/L	MG/L AS S04	
820616	1515	34605	0.42	6.66	0.021	2.840	22.1
820623	1253	34609	0.45	7.01	0.018	2.500	23.1
820629	1313	34613	0.50	6.77	0.030	4.050	29.0
820706	1500	34617	0.58	7.21	0.025	6.700	29.4
820713	1243	34621	0.43	7.07	0.020	4.530	20.5
820720	1242	34625	0.40	6.75	0.008	5.220	21.8
820727	1430	34629	0.43	6.52	0.010	4.380	18.7
820804	1240	34645	0.50	6.75	0.023	3.150	20.3
820809	1305	34649	0.43	6.53	0.020	3.640	22.8
820817	1447	34653	0.43	6.50	0.023	2.760	20.5

(CONTD)

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 296

B.O.W./ SITE: SPANISH RIVER

STATION ID: 14-0028-055-02

SAMPLE POINT: UPSTR.FROM CONFLUENCE WITH AUX SABLES R.

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 12 37.94 LONG: 082 02 32.13 U T M: 17 0419600.0 5117750.0 4 REGION: 05 DISTANCE: 32.508

*=INTERIM TEST-NAME:		NNTKUR	PH	PPUT	RSP	SS04UR	TURB	
		K'DAHL N						
		TOTAL		PHOSPHOR		SULPHATE		
		FIL.TOT.		UNF.TOT.	RESIDUE	UNF.REAC		
SAMPLE		MG/L		MG/L	PARTIC.	MG/L	TURB'ITY	
DATE	HOUR	AS N	PH	AS P	MG/L	AS S04	FTU	
YYMMDD	LMT	SAMPLE						
		NUMBER						
820824	1255	34657	0.38	6.67	0.018	2.860	21.3	1.62
820831	1440	34661	0.42	7.37	0.019	3.100	20.2	2.10
820907		34665	0.40	6.94	0.015	3.260	22.8	2.10
820922	1239	34669	0.65	6.62	0.025		17.9	1.92
MAXIMUM		0.65	7.37	0.030	6.700	29.4	6.10	
ARITH MEAN		0.46	6.81	0.020	3.768	22.2	2.97	
GEOM MEAN		0.45	6.81	0.019	3.619	22.0	2.75	
MINIMUM		0.38	6.50	0.008	2.500	17.9	1.62	
STD DEV (GEOM *)		0.08	0.27	0.006	1.196	3.3	1.30	
# SAMP IN STATISTICS		14	14	14	13	14	14	
% SAMP (EXCLUDED)								

B.O.W./ SITE: SPANISH RIVER

SAMPLE POINT: DNSTR.FROM ESPANOLA SOUTH OF WALFORD

STATION TYPE: RIVER

STATION ID: 14-0028-056-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVERSTORET CODE: 02  
002  
7950

LAT: 46 10 52.67 LONG: 082 13 23.15

U T M: 17 0405600.0 5114700.0 4

REGION: 05

DISTANCE: 14.484

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWSTRC	FWTEMP	NNOTFR	
				BOD 5 DAY TOT.DEM.	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN			NO2+NO3N FIL.REAC	
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	MG/L AS O	MG/L AS CL	MG/L AS O	UMHO/CM AT 25 C	MG/L AS O	STREAM COND.	WATER TEMP DEG.C	MG/L AS N
820616	1545	34606	0.30	0101	1.18	7.90	20	108.0	7.40		20.0	0.190
820623	1220	34610	0.30	0101	1.17	7.00	20	120.0	6.10	8	19.0	0.225
820629	1248	34614	0.30	0101	0.50	3.05	14	89.6	9.00	8	21.0	0.220
820706	1535	34618	0.30	0101	0.62	3.35	20	99.4	9.10		18.5	0.200
820713	1216	34622	0.30	0101		2.95	18	88.1	7.90	8	22.0	0.165
820720	1216	34626	0.30	0101	1.11	7.75	22	110.0	5.80		23.0	0.145
820727	1200	34630	0.30	0101	0.75	7.40	24	98.3	6.60		24.5	0.100
820804		34646	0.30	0101		10.30	16	106.0	5.80		21.0	0.060
820809	1230	34650	0.30	0101	1.02	14.40	18	127.0	4.00	8	22.0	0.070
820817	1528	34654	0.30	0101	1.09	7.65	28	99.0	6.30		21.0	0.080
820824	1255	34658	0.30	0101	0.93	14.70	26	1.4	3.70		20.5	0.070
820831	1510	34662	0.30	0101	0.99	15.60	20	138.0	5.10		18.5	0.075
820907		34666	0.30	0101	1.18	9.60	26	124.0	5.60	8	17.8	0.135
820922	1206	34670	0.30	0101	1.68	3.56	23.6	89.6	8.80	8	14.1	0.115
MAXIMUM		0.30			1.68	15.60	28	138.0	9.10		24.5	0.225
ARITH MEAN		0.30			1.02	8.23	21	99.9	6.51		20.2	0.132
GEOM MEAN					0.97	7.11	21	78.1	6.29		20.0	0.120
MINIMUM		0.30			0.50	2.95	14	1.4	3.70		14.1	0.060
STD DEV (GEOM *)					0.31	4.33	4	32.1	1.73		2.6	0.059
# SAMP IN STATISTICS		14			12	14	14	14	14		14	14
% SAMP (EXCLUDED)												

*=INTERIM TEST-NAME:		NNTKUR	PH	PPUT	RSP	SS04UR	TURB
		K'DAHL N TOTAL FIL.TOT.		PHOSPHOR UNF.TOT.	RESIDUE PARTIC.	SULPHATE UNF.REAC	TURB'ITY FTU
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	MG/L AS N	MG/L AS P	MG/L	MG/L AS S04	
820616	1545	34606	0.40	7.28	0.023	2.880	20.0
820623	1220	34610	0.45	6.76	0.018	2.640	24.3
820629	1248	34614	0.38	6.85	0.019	2.760	20.0
820706	1535	34618	0.45	7.19	0.038	3.240	21.5
820713	1216	34622	0.42	6.16	0.019	3.530	16.7
820720	1216	34626	0.37	6.82	0.011	2.980	20.0
820727	1200	34630	0.40	6.81	0.010	3.230	16.6
820804		34646	0.37	6.73	0.013	2.600	15.3
820809	1230	34650	0.38	6.54	0.018	3.620	18.9
820817	1528	34654	0.35	6.77	0.015	1.960	15.8



B.O.W./ SITE: SPANISH RIVER  
SAMPLE POINT: DNSTR.FROM ESPANOLA SOUTH OF WALFORD  
STATION TYPE: RIVER

STATION ID: 14-0028-056-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

LAT: 46 10 52.67 LONG: 082 13 23.15

U T M: 17 0405600.0 5114700.0 4

REGION: 05

DISTANCE: 14.484

*=INTERIM TEST-NAME:		NNTKUR	PH	PPUT	RSP	SS04UR	TURB	
		K'DAHL N		PHOSPHOR		SULPHATE		
		TOTAL		UNF.TOT.		UNF.REAC		
SAMPLE		FIL.TOT.		MG/L		MG/L	TURB'ITY	
DATE	HR	MG/L		AS N		AS S04	FTU	
YYMMDD	LMT	NUMBER	PH	AS P	PARTIC.			
					MG/L			
820824	1255	34658	0.41	6.50	0.015	2.990	20.0	2.10
820831	1510	34662	0.41	7.08	0.014	3.090	20.1	2.10
820907		34666	0.41	7.12	0.017	2.040	21.9	1.73
820922	1206	34670	0.65	6.90	0.025		16.7	2.90
MAXIMUM		0.65	7.28	0.038	3.620	24.3	4.40	
ARITH MEAN		0.42	6.82	0.018	2.889	19.1	2.56	
GEOM MEAN		0.41	6.82	0.017	2.846	19.0	2.47	
MINIMUM		0.35	6.16	0.010	1.960	15.3	1.62	
STD DEV (GEOM *)		0.07	0.30	0.007	0.499	2.6	0.78	
# SAMP IN STATISTICS		14	14	14	13	14	14	
% SAMP (EXCLUDED)								

B.O.W./ SITE: SPANISH RIVER

SAMPLE POINT: 3 MILES DNSTR OF E.B.EDDY PLANT ESPANOLA

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STATION ID: 14-0028-057-02

STORET CODE: 02  
002  
7950

LAT: 46 15 32.55 LONG: 099 49 43.56

U T M: 14 0436125.0 5122945.0 4

REGION: 05

DISTANCE: 45.704

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWSTRC	FWTEMP	NNHTFR
				BOD 5 DAY TOT.DEM.	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN			NH3-N TOTAL
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	MG/L AS O	MG/L AS CL	MG/L AS O	UMHO/CM AT 25 C	MG/L AS O	STREAM COND.	WATER TEMP DEG.C	FIL.REAC MG/L AS N
820616 1410	34604	0.30	0101		12.40		142.0	8.90		19.0	0.134
820623 1330	34608	0.30	0101	0.47	3.70	16	100.0	8.60	8	17.0	
820629 1455	34612	0.30	0101		3.90		103.0	10.10	8	19.0	0.006
820706 1430	34616	0.30	0101	0.61	4.35	18	111.0	9.20		18.5	
820713 1322	34620	0.30	0101		17.20	32	154.0	7.60	8	21.5	
820720 1318	34624	0.30	0101	2.07	12.20	26	121.0	8.40		23.0	
820727 1705	34628	0.30	0101	3.28	12.60	28	116.0	8.20		26.0	
820804 1152	34644	0.30	0101	6.30	23.40	38	171.0	6.30		21.0	
820809 1342	34648	0.30	0101	1.80	16.10	24	144.0	7.40	8	21.0	
820817 1341	34652	0.30	0101	2.22	15.90	38	139.0	6.80	8	20.5	
820824 1341	34656	0.30	0101	3.40	20.80	38	158.0	6.10		20.5	
820831 1347	34660	0.30	0101	1.96	17.90	26	146.0	7.10		19.0	
820907	34664	0.30	0101	1.77	3.50	24	117.0	7.80	8	17.0	
820922 1323	34668	0.30	0101	2.04	4.80	12.7	96.9	9.10	8	15.3	
MAXIMUM		0.30		6.30	23.40	38	171.0	10.10		26.0	0.134
ARITH MEAN		0.30		2.36	12.05	27	129.9	7.97		19.9	0.070
GEOM MEAN				1.90	9.82	25	127.9	7.89		19.7	0.028
MINIMUM		0.30		0.47	3.50	12.7	96.9	6.10		15.3	0.006
STD DEV (GEOM *)				1.58	6.90	9	23.6	1.17		2.7	0.091
# SAMP IN STATISTICS		14		11	14	12	14	14		14	2
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PH	PP04FR	PPUT	RSP	SS04UR	TURB
		NO2+NO3N FIL.REAC	K'DAHL N TOTAL FIL.TOT.		P04 FIL.REAC	PHOSPHOR UNF.TOT.	RESIDUE PARTIC.	SULPHATE UNF.REAC	
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	MG/L AS N	MG/L AS N	PH	MG/L AS P	MG/L AS P	MG/L	MG/L AS S04	TURB'ITY FTU
820616 1410	34604	0.280	0.47	6.80	0.0020<T	0.025	2.800		1.13
820623 1330	34608	0.400	0.43	7.17		0.013	0.995<T	24.6	1.58
820629 1455	34612	0.395	0.38	6.86	0.0005<W	0.017	1.520		1.92
820706 1430	34616	0.285	0.46	7.30		0.019	1.800	28.3	1.97
820713 1322	34620	0.255	0.48	6.78		0.010	3.320	26.1	1.77
820720 1318	34624	0.165	0.44	6.72		0.012	2.960	21.4	1.85
820727 1705	34628	0.110	1.07	6.55		0.018	3.930	18.3	2.40
820804 1152	34644	0.145	0.52	6.38		0.019	4.280	25.4	2.30
820809 1342	34648	0.125	0.48	6.67		0.038	3.540	23.6	1.76
820817 1341	34652	0.105	0.50	6.39		0.024	3.620	22.3	2.40

(CONTD)



B.O.W./ SITE: VERMILION RIVER  
 SAMPLE POINT: AT HIGHWAY NO. 549  
 STATION TYPE: RIVER

STATION ID: 14-0028-058-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 19 54.40 LONG: 081 20 32.42 U T M: 17 0473650.0 5130750.0 4 REGION: 05 DISTANCE: 93.400

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HOUR	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT		CODE	AS CACO3	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820212	1300	34002	0101	21	0.090	0.001<	292	0.010	12.00	0.44	4 6 8
820312	1500	34035	0101	27.0	0.078	0.001	335	0.008	13.00	0.44	4 6 8
820416	1400	34067	0101					0.020	12.00		3 6 8
820514	1800	34101	0101	10.2			122.0	0.013	13.00	0.315	6 8
820611	1725	34133	0101	18.1			203.0	0.012	12.00	0.230	6 8
820625	1030	34634	0101	13.1			225.0	0.008		0.135	
820716	1220	34165	0101	21.9			257.0	0.009	12.00	0.120	6 8
820813	1045	34197	0101	7.3			255.0	0.007	12.00	0.090	6 8
820919	1335	34229	0101	32.7			145.0	0.008	12.00	0.125	6 8
821015	1040	34261	0101	15.7			305.0	0.001	13.00	0.250	6 8
821113	0845	34311	0101	15.6			202.0	0.019	13.00	0.225	3 6 8
821214	0735	34343	0101	14.9			211.0	0.013		0.285	6 8
MAXIMUM		0.30		32.7	0.090	0.001	335	0.020	13.00	0.44	
ARITH MEAN		0.30		18	0.084	0.001	232	0.011	12.40	0.24	
GEOM MEAN				17	0.084		223	0.009	12.39	0.21	
MINIMUM		0.30		7.3	0.078	0.001	122.0	0.001	12.00	0.090	
STD DEV (GEOM *)				7	0.008		65	0.005	0.52	0.12	
# SAMP IN STATISTICS		12		11	2	1	11	12	10	11	
% SAMP (EXCLUDED)						50					

*INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH
					NH3-N				K'DAHL N		
SAMPLE		WATER	MANGANESE	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD	
DATE	HOUR	TEMP	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.	
YYMMDD	LMT	DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	AS N	MG/L	PH
			AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	
820212	1300	34002	0.102	0.200	0.322	1.350	0.009	1.340	0.68	0.003<	6.93
820312	1500	34035	0.112	0.180	1.440	0.640	0.0290	0.610	1.90	0.003	7.04
820416	1400	34067		0.180						0.008	
820514	1800	34101		0.064		0.620			0.61	0.006	6.99
820611	1725	34133		0.076		1.150			1.25	0.003<	6.85
820625	1030	34634		0.080		1.250			0.53	0.005	6.92
820716	1220	34165		0.082		1.150			1.50	0.003<	7.02
820813	1045	34197		0.081		1.000			0.55	0.003<	7.42
820919	1335	34229		0.020		0.055			0.22	0.003<	7.74
821015	1040	34261		0.140		1.000			0.55	0.003<	7.12
821113	0845	34311		0.150		0.620			0.420	0.006	7.39
821214	0735	34343		0.150		0.850			0.360	0.003<	7.36

B.O.W./ SITE: VERMILION RIVER  
 SAMPLE POINT: AT HIGHWAY NO. 549  
 STATION TYPE: RIVER

STATION ID: 14-0028-058-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 19 54.40 LONG: 081 20 32.42 U T M: 17 0473650.0 5130750.0 4 REGION: 05 DISTANCE: 93.400

*INTERIM TEST-NAME:			FWTEMP	MNUT	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NN02FR	NN03FR	NNTKUR K'DAHL N TOTAL	PBUT	PH
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C	MANGANESE UNF.TOT. MG/L AS MN	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH
		MAXIMUM	30.0	0.112	0.200	1.440	1.350	0.0290	1.340	1.90	0.008	7.74
		ARITH MEAN	11.1	0.107	0.117	0.881	0.880	0.019	0.975	0.78	0.006	7.16
		GEOM MEAN		0.107	0.100	0.681	0.717	0.016	0.904	0.64		7.16
		MINIMUM	0.0	0.102	0.020	0.322	0.055	0.009	0.610	0.22	0.003	6.85
		STD DEV (GEOM *)		0.007	0.057	0.791	0.375	0.014	0.516	0.53		0.28
		# SAMP IN STATISTICS	11	2	12	2	11	2	2	11	5	11
		% SAMP (EXCLUDED)									58	

*INTERIM TEST-NAME:			PPO4FR P04 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	RSF RESIDUE FILTERED	RSP RESIDUE PARTIC.	SS04UR SULPHATE UNF.REAC	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	MG/L AS P	MG/L AS P	MG/L	MG/L	MG/L AS S04	FTU	MG/L AS ZN
820212	1300	34002	0.007	0.030	190	0.7	75.0		0.020
820312	1500	34035	0.105	0.140	218	3.3	98.0		0.021
820416	1400	34067							0.025
820514	1800	34101		0.018			30.7	2.30	0.011
820611	1725	34133		0.020			58.5	2.20	0.008
820625	1030	34634		0.023			62.1	1.17	0.002
820716	1220	34165		0.028			79.5	1.96	0.021
820813	1045	34197		0.026			69.5	1.43	0.001
820919	1335	34229		0.189			21.8	1.42	0.009
821015	1040	34261		0.020			90.2	2.10	0.020
821113	0845	34311		0.015			54.10	1.67	0.010
821214	0735	34343		0.016			60.05	2.40	0.017
		MAXIMUM	0.105	0.189	218	3.3	98.0	2.40	0.025
		ARITH MEAN	0.056	0.048	204	2.0	63.6	1.85	0.014
		GEOM MEAN	0.027	0.031	204	1.5	58.8	1.80	0.010
		MINIMUM	0.007	0.015	190	0.7	21.8	1.17	0.001
		STD DEV (GEOM *)	0.069	0.059	20	1.8	23.0	0.44	0.008
		# SAMP IN STATISTICS	2	11	2	2	11	9	12
		% SAMP (EXCLUDED)							

B.O.W./ SITE: WHITSON RIVER  
 SAMPLE POINT: AT VERMILION RIVER  
 STATION TYPE: RIVER

STATION ID: 14-0028-059-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 31 42.89 LONG: 081 17 03.29

U T M: 17 0478200.0 5152600.0 4

REGION: 05

DISTANCE: 128.000

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	TIME	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	STREAM
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	COND.
			CODE	AS CAC03	AS AL	AS CL	AT 25 C	AS CU	AS O	AS FE	
820213	1030	34007	0101	101	0.110		371	0.018	9.00	0.85	4 6 8
820417	0900	34077	0101	32.8		8.85	138.0	0.030U	8.00	2.330	3 6 8
820515	0945	34106	0101	88.9		18.40	289.0	0.015		0.530	
820612	0800	34138	0101	75.2		19.60	266.0	0.009	8.00	0.580	6 8
820717	0900	34170	0101	115.2		24.00	356.0	0.006	9.00	0.200	6 8
820814	0840	34202	0101	5.8		25.50	354.0	0.006	8.00	0.100	6 8
820920	0850	34234	0101	93.4		26.00	330.0	0.011	9.00	0.285	6 8
821016	0810	34266	0101	54.1		16.80	259.0	0.020	9.00	0.380	6 8
821112	1245	34303	0101	83.5		17.10	304.0	0.070	10.00	0.855	3 6 8
MAXIMUM		0.30		115.2	0.110	26.00	371	0.070	10.00	2.330	
ARITH MEAN		0.30		72	0.110	19.53	296	0.021	8.75	0.68	
GEOM MEAN				57		18.64	286	0.015	8.73	0.47	
MINIMUM		0.30		5.8	0.110	8.85	138.0	0.006	8.00	0.100	
STD DEV (GEOM *)				35		5.68	72	0.020	0.71	0.67	
# SAMP IN STATISTICS		9		9	1	8	9	9	8	9	
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWTEMP	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PP04FR
			NICKEL	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD		P04
SAMPLE DATE	TIME	SAMPLE	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		FIL.REAC
YYMMDD	LMT	NUMBER	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L
			AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	AS P
820213	1030	34007	0.068	0.038	1.150	0.010	1.140	0.55	0.004	7.58	0.074
820417	0900	34077	0.042U	1.080	1.050			1.35	0.003<	7.68	0.0010<T
820515	0945	34106	0.038	0.004<T	0.320			0.50	0.003<	8.14	0.0080
820612	0800	34138	0.033	0.002	0.335			0.42	0.003<	7.99	0.0160
820717	0900	34170	0.015	0.000	0.175			0.38	0.003	7.16	0.0080
820814	0840	34202	0.012	0.026	0.015			0.70	0.003<	8.37	0.1300
820920	0850	34234	0.019	0.004<T	0.600			0.43	0.003<	8.09	0.0050
821016	0810	34266	0.060	0.004<T	0.200			0.53	0.003<	7.91	0.0145
821112	1245	34303	0.050	0.004<T	0.495			0.440	0.009	8.22	0.0160
MAXIMUM		25.0	0.068	1.080	1.150	0.010	1.140	1.35	0.009	8.37	0.1300
ARITH MEAN		9.9	0.037	0.129<A	0.482	0.010	1.140	0.59	0.005	7.90	0.030 <A
GEOM MEAN			0.032		0.301			0.54		7.90	0.013 <A
MINIMUM		0.0	0.012	0.000	0.015	0.010	1.140	0.38	0.003	7.16	0.0010
STD DEV (GEOM *)			0.020		0.391			0.30		0.37	0.043 <A
# SAMP IN STATISTICS		8	9	9	9	1	1	9	3	9	9
% SAMP (EXCLUDED)											

B.O.W./ SITE: WHITSON RIVER  
 SAMPLE POINT: AT VERMILION RIVER  
 STATION TYPE: RIVER

STATION ID: 14-0028-059-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 31 42.89 LONG: 081 17 03.29 U T M: 17 0478200.0 5152600.0 4 REGION: 05 DISTANCE: 128.000

*=INTERIM TEST-NAME:		PPUT	RSF	RSP	SS04UR	TURB	ZNUT
		PHOSPHOR			SULPHATE		ZINC
SAMPLE		UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC		UNF.TOT.
DATE	HOUR	MG/L	MG/L	PARTIC.	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS P	MG/L	MG/L	AS S04	FTU	AS ZN
820213	1030	34007	0.128	241	3.6	41.5	0.085
820417	0900	34077	0.155		103.000	17.1	0.093U
820515	0945	34106	0.060		4.890	28.0	0.040
820612	0800	34138	0.048		5.390	27.9	0.034
820717	0900	34170	0.035		3.610	34.3	0.017
820814	0840	34202	0.150		1.820	34.2	0.020
820920	0850	34234	0.021		32.1	1.29	0.031
821016	0810	34266	0.034		2.490	41.6	0.040
821112	1245	34303	0.044		6.850	35.66	0.360
MAXIMUM		0.155	241	103.000	41.6	36.00	0.360
ARITH MEAN		0.075	241	16.5	32.5	6.79	0.080
GEOM MEAN		0.060		5.7	31.5	3.17	0.049
MINIMUM		0.021	241	1.820	17.1	1.10	0.017
STD DEV (GEOM *)		0.054		35.0	7.6	11.89	0.108
# SAMP IN STATISTICS		9	1	8	9	8	9
% SAMP (EXCLUDED)							

B.O.W./ SITE: MOOSE CREEK  
 SAMPLE POINT: AT FECUNIS LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0028-060-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 39 57.84 LONG: 081 21 27.05 U T M: 17 0472650.0 5167900.0 4 REGION: 05 DISTANCE: 183.700

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE DATE	HOUR	SAMPLE	SAMPLE	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	DEPTH	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
			M	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820313	1225	34043	0.30	12.0	1.200	0.001<	1450	0.068	10.00	3.25	4 6 8
820417	1100	34081	0.30	0.1<W			515.0	0.620	9.00	1.400	3 6 8
820515	1135	34110	0.30	0.0<W			706.0	0.590	10.00	0.125	6 8
820612	1000	34142	0.30	2.0			933.0	0.440	9.00	0.200	6 8
820717	1050	34174	0.30	0.1<T			1020.0	0.280	9.00	0.050	6 8
820814	1035	34206	0.30	5.1			1170.0	0.310	8.00	0.065	6 8
820920	1055	34238	0.30	0.8<T			921.0	0.390	9.00	0.205	6 8
821016	0950	34270	0.30	0.6			786.0	0.600	9.00	0.330	6 8
821112	1440	34307	0.30	2.6			1210.0	0.160	8.00	2.350	3 6 8
821213	1450	34339	0.30	0			666.0	0.800	10.00	0.320	4 6 8
MAXIMUM		0.30		12.0	1.200		1450	0.800	10.00	3.25	
ARITH MEAN		0.30		2 <A	1.200		938	0.426	9.10	0.83	
GEOM MEAN							898	0.351	9.07	0.34	
MINIMUM		0.30		0.0	1.200		515.0	0.068	8.00	0.050	
STD DEV (GEOM *)							284	0.228	0.74	1.13	
# SAMP IN STATISTICS		10		10	1		10	10	10	10	
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	
			MANGANSE	NICKEL	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD		
SAMPLE DATE	HOUR	SAMPLE	WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		
YYMMDD	LMT	NUMBER	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH	
			DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS PB		
820313	1225	34043	0.0	1.200	1.500	1.070	0.330	0.0060	0.325	1.20	0.003<	6.61
820417	1100	34081	2.0		5.200		0.265			0.40	0.003<	4.21
820515	1135	34110	15.0		5.400		0.095			0.28	0.003<	4.23
820612	1000	34142	18.0		5.800		0.135			0.31	0.003<	4.36
820717	1050	34174	26.0		5.000		0.160			0.26	0.003<	4.42
820814	1035	34206	19.0		6.800		0.280			0.44	0.003<	4.54
820920	1055	34238	11.0		8.000		0.195			0.23	0.008	4.52
821016	0950	34270	2.0		10.000		0.200			0.18	0.008	4.20
821112	1440	34307	1.0		2.500		0.295			0.800	0.019	5.80
821213	1450	34339			7.900		0.220			0.160	0.003<	4.06
MAXIMUM		26.0	1.200	10.000	1.070	0.330	0.0060	0.325	1.20	0.019	6.61	
ARITH MEAN		10.4	1.200	5.810	1.070	0.217	0.0060	0.325	0.43	0.012	4.69	
GEOM MEAN				5.150		0.204			0.35		4.64	
MINIMUM		0.0	1.200	1.500	1.070	0.095	0.0060	0.325	0.160	0.008	4.06	
STD DEV (GEOM *)				2.548		0.075			0.33		0.83	
# SAMP IN STATISTICS		9	1	10	1	10	1	1	10	3	10	
% SAMP (EXCLUDED)										70	( C O N T D )	



B.O.W./ SITE: MOOSE CREEK  
 SAMPLE POINT: AT FECUNIS LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 14-0028-060-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 39 57.84 LONG: 081 21 27.05

U T M: 17 0472650.0 5167900.0 4

REGION: 05

DISTANCE: 183.700

*INTERIM TEST-NAME:		PP04FR	PPUT	RSF	RSP	SS04UR	TURB	ZNUT
		P04	PHOSPHOR			SULPHATE		ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC		UNF.TOT.
DATE	HR	MG/L	MG/L	MG/L	PARTIC.	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS P	AS P	MG/L	MG/L	AS S04	FTU	AS ZN
820313	1225	34043	0.0010	0.038	1127	12.0	592.0	0.046
820417	1100	34081		0.008			168.0	0.200
820515	1135	34110		0.006			208.0	0.190
820612	1000	34142		0.006			255.0	0.180
820717	1050	34174		0.008			31.9	0.120
820814	1035	34206		0.008			344.0	0.170
820920	1055	34238		0.003<T			283.0	0.160
821016	0950	34270		0.004			277.6	0.250
821112	1440	34307		0.005			489.00	0.080
821213	1450	34339		0.003<T			255.50	0.240
MAXIMUM		0.0010	0.038	1127	12.0	592.0	10.20	0.250
ARITH MEAN		0.0010	0.009<A	1127	12.0	290.4	2.81	0.164
GEOM MEAN			0.006<A			237.4	1.64	0.148
MINIMUM		0.0010	0.003	1127	12.0	31.9	0.56	0.046
STD DEV (GEOM *)			0.010<A			158.0	3.51	0.065
# SAMP IN STATISTICS		1	10	1	1	10	9	10
% SAMP (EXCLUDED)								

B.O.W./ SITE: JUNCTION CREEK  
 SAMPLE POINT: HWY.69 2 CULVERT N.OF TURNER AVE  
 STATION TYPE: RIVER

STATION ID: 14-0028-061-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE HURON  
 TERM STREAM: SPANISH RIVER

STORET CODE: 02  
 002  
 7950

LAT: 46 31 51.25 LONG: 080 56 56.93 U T M: 17 0503900.0 5152820.0 4 REGION: 05 DISTANCE: 138.238

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP	NIUT
				ALK	CONDUCT.	COPPER	DISOLVED	IRON			NICKEL
SAMPLE		SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER	UNF.TOT.
DATE	HR	DEPTH	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	MG/L		TEMP	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AT 25 C	AS CU	AS O	AS FE	STREAM	DEG.C	AS NI
		M						COND.			
820516	1130	34130	0101	0.0 <W	2180.0	1.500U	9.00		6 8	15.0	54.000U
820613	1035	34162	0101	0.00	2260.0	2.200	8.00	0.175	6 8	20.0	63.000
820718	1120	34194	0101	0.1 <T	2310.0	3.100	8.00	0.400	6 8	25.0	65.000
820815	1100	34226	0101	0.1 <W	2310.0	2.900	7.00	0.325	6 8	20.0	16.000
820921	1135	34258	0101	0.1 <T	2040.0	5.400	8.00		6 8	11.0	49.000
821017	1140	34290	0101	0.1 <T	2060.0	9.300	8.00	0.400	6 8	3.0	49.000
821114	1400	34322	0101	0.1 <W	1890.0	6.700	9.00		3 6 8	1.0	45.000
821214	1200	34354	0101	0	2100.0	3.800	8.00		4 6 8		13.000
MAXIMUM		0.30		0.1	2310.0	9.300	9.00	0.400		25.0	65.000
ARITH MEAN		0.30		0 <A	2143.7	4.362	8.12	0.325		13.6	44.250
GEOM MEAN					2139.2	3.736	8.10	0.309		9.0	38.640
MINIMUM		0.30		0.0	1890.0	1.500	7.00	0.175		1.0	13.000
STD DEV (GEOM *)					148.4	2.614	0.64	0.106		9.1	19.631
# SAMP IN STATISTICS		8		8	8	8	8	4		7	8
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		NNOTFR	NNTKUR	PBUT	PH	PPU1	SSO4UR	TURB	ZNUT	
			K'DAHL N	LEAD		PHOSPHOR	SULPHATE		ZINC	
SAMPLE		NO2+NO3N	TOTAL	UNF.TOT.		UNF.TOT.	UNF.REAC		UNF.TOT.	
DATE	HR	FIL.REAC	FIL.TOT.	MG/L		MG/L	MG/L		MG/L	
YYMMDD	LMT	AS N	AS N	AS PB	PH	AS P	AS SO4	TURB'ITY	AS ZN	
								FTU		
820516	1130	34130	9.750	10.55	0.018U	4.17	0.013	1060.0	4.00	1.800U
820613	1035	34162		7.10	0.033	4.30	0.007	1460.0	0.38	3.900
820718	1120	34194	3.950	3.50	0.040	4.12	0.016	1450.0	2.10	3.600
820815	1100	34226	3.900	4.00	0.036	4.17	0.007	1370.0	0.92	3.500
820921	1135	34258	2.050	2.20	0.040	4.14	0.005	1179.0	0.57	4.000
821017	1140	34290	1.650	1.28	0.003<	4.13	0.098	1226.0	0.52	4.300
821114	1400	34322	1.350	1.110	0.170	4.91	0.024	445.10	0.32	3.700
821214	1200	34354	1.650	1.310	0.007	3.97	0.012	1347.00	0.14	2.800
MAXIMUM		9.750	10.55	0.170	4.91	0.098	1460.0	4.00	4.300	
ARITH MEAN		3.471	3.88	0.049	4.24	0.023	1192.1	1.12	3.450	
GEOM MEAN		2.731	2.85		4.23	0.014	1130.3	0.67	3.347	
MINIMUM		1.350	1.110	0.007	3.97	0.005	445.10	0.14	1.800	
STD DEV (GEOM *)		2.972	3.36		0.29	0.031	331.8	1.32	0.798	
# SAMP IN STATISTICS		7	8	7	8	8	8	8	8	
% SAMP (EXCLUDED)				12						

B.O.W./ SITE: JUNCTION CREEK  
SAMPLE POINT: 1 CULVERT N.OF TURNER AVE.ON HWY 69.N.  
STATION TYPE: RIVER

STATION ID: 14-0028-062-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE HURON  
TERM STREAM: SPANISH RIVER

STORET CODE: 02  
002  
7950

LAT: 46 31 36.05 LONG: 080 58 56.63

U T M: 17 0501350.0 5152350.0 4

REGION: 05

DISTANCE: 137.273

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP	NIUT
				ALK	CONDUCT.	COPPER	DISOLVED	IRON			NICKEL
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER	UNF.TOT.
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP	MG/L
			CODE	AS CAC03	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C	AS NI
820428	0815	34097	0101	6.1	1240.0	0.400	7.00	0.205	3 6 8	2.0	1.900
820516	1115	34129	0101	61.8	1650.0	0.260	8.00	0.305	6 8	15.0	1.300
820613	1020	34161	0101	59.0	1100.0	0.270	8.00	0.725	6 8	20.0	1.300
820718	1105	34193	0101	39.4	1130.0	0.620	7.00	1.660	6 8	25.0	4.700
820815	1045	34225	0101	56.5	904.0	0.110	7.00	1.220	6 8	20.0	1.300
820921	1115	34257	0101	2.7	868.0	0.680	8.00	0.305	6 8	11.0	11.000
821017	1120	34289	0101	4.5	685.0	0.660	8.00	0.225	6 8	3.0	5.200
821114	1340	34321	0101	1.8	515.0	0.980	9.00	0.420	3 6 8	1.0	6.300
821214	1145	34353	0101	16.0	829.0	1.300	8.00	0.500	4 6 8		4.600
MAXIMUM		0.30		61.8	1650.0	1.300	9.00	1.660		25.0	11.000
ARITH MEAN		0.30		27.5	991.2	0.587	7.78	0.618		12.1	4.178
GEOM MEAN				13.7	941.9	0.469	7.75	0.479		7.5	3.172
MINIMUM		0.30		1.8	515.0	0.110	7.00	0.205		1.0	1.300
STD DEV (GEOM *)				26.3	334.8	0.379	0.67	0.504		9.3	3.213
# SAMP IN STATISTICS		9		9	9	9	9	9		8	9
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TURB	ZNUT
		NO2+NO3N	K'DAHL N	LEAD		PHOSPHOR	SULPHATE		ZINC
SAMPLE DATE	HOUR	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF.TOT.	UNF.REAC	TURB'ITY	UNF.TOT.
YYMMDD	LMT	MG/L	MG/L	MG/L	PH	MG/L	MG/L	FTU	MG/L
		AS N	AS N	AS PB		AS P	AS SO4		AS ZN
820428	0815	34097	0.18	0.003<	6.69	0.008	88.4	3.80	0.250
820516	1115	34129	0.635	1.18	0.009	8.15	0.020	4.30	0.140
820613	1020	34161	0.570	0.51	0.003<	7.83	0.010	4.60	0.160
820718	1105	34193	0.080	0.63	0.041	7.10	0.063	6.60	0.520
820815	1045	34225	0.040	0.24	0.003<	7.67	0.370	7.10	0.140
820921	1115	34257	0.300	0.42	0.008	5.82	0.005	4.60	0.750
821017	1120	34289	0.275	0.38	0.004	5.98	0.036	6.10	0.480
821114	1340	34321	0.350	0.240	0.016	4.90	0.017	5.10	0.470
821214	1145	34353	0.480	0.980	0.010	7.18	0.025	13.30	0.730
MAXIMUM		0.635	1.18	0.041	8.15	0.370	242.80	13.30	0.750
ARITH MEAN		0.341	0.53	0.015	6.81	0.062	162.6	6.17	0.404
GEOM MEAN		0.252	0.44		6.73	0.024	152.2	5.73	0.333
MINIMUM		0.040	0.18	0.004	4.90	0.005	88.4	3.80	0.140
STD DEV (GEOM *)		0.215	0.35		1.07	0.117	60.7	2.90	0.243
# SAMP IN STATISTICS		8	9	6	9	9	9	9	9
% SAMP (EXCLUDED)				33					

B.O.W./ SITE: JUNCTION CREEK

STATION ID: 14-0028-063-02

SAMPLE POINT: HWY 69 N 1000M N OF STOBIE MINE RD

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE HURON

002

TERM STREAM: SPANISH RIVER

7950

LAT: 46 33 14.22 LONG: 080 58 58.01

U T M: 17 0501320.0 5155380.0 4

REGION: 05

DISTANCE: 140.491

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP	NIUT
				ALK	CONDUCT.	COPPER	DISOLVED	IRON			NICKEL
SAMPLE		SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER	UNF.TOT.
DATE	HR	DEPTH	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C	AS NI
820516	1155	34131	0101	0.2<T	310.0	0.066	8.00	1.300	6 8	15.0	0.410
820613	1055	34163	0101	6.1	148.0	0.052	6.00	9.860	6 8	20.0	0.420
820718	1145	34195	0101	19.4	296.0	0.030	4.00	12.785	6 8 9	25.0	0.220
820815	1115	34227	0101	26.4	288.0	0.020	5.00	10.550	6 8 9	20.0	0.260
820921	1150	34259	0101	13.9	196.0	0.050	6.00	4.950	6 8 9	12.0	0.280
821017	1205	34291	0101	2.0	163.0	0.130	7.00	0.320	3 6 8	3.0	1.400
821114	1420	34323	0101		161.0	0.180	8.00	0.120	3 6 8	1.0	1.500
821214	1215	34355	0101	1.8	145.0	0.240	8.00	0.155	4 6 8		1.700
MAXIMUM		0.30		26.4	310.0	0.240	8.00	12.785		25.0	1.700
ARITH MEAN		0.30		10.0<A	213.4	0.096	6.50	5.005		13.7	0.774
GEOM MEAN				4.4<A	203.3	0.070	6.33	1.634		9.2	0.561
MINIMUM		0.30		0.2	145.0	0.020	4.00	0.120		1.0	0.220
STD DEV (GEOM *)				10.1<A	72.0	0.079	1.51	5.317		9.0	0.638
# SAMP IN STATISTICS		8		7	8	8	8	8		7	8
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TURB	ZNUT
			K'DAHL N						
SAMPLE		NO2+NO3N	TOTAL	LEAD		PHOSPHOR	SULPHATE		ZINC
DATE	HR	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF.TOT.	UNF.REAC		UNF.TOT.
YYMMDD	LMT	MG/L	MG/L	MG/L		MG/L	MG/L	TURB'ITY	MG/L
		AS N	AS N	AS PB	PH	AS P	AS S04	FTU	AS ZN
820516	1155	34131	0.030	0.30	0.009	4.58	0.008	29.3	0.028
820613	1055	34163	0.065	0.90	0.004	6.40	0.052	22.8	0.029
820718	1145	34195	0.035	1.33	0.003	6.47	0.070	10.5	0.020
820815	1115	34227	0.075	1.05	0.003	6.30	0.050	9.5	0.031
820921	1150	34259	0.025	1.00	0.003<	7.15	0.043	23.7	0.027
821017	1205	34291	0.005<W	0.18	0.003<	4.85	0.018	56.9	0.110
821114	1420	34323	0.020	0.180	0.007	4.18	0.023	63.00	0.090
821214	1215	34355	0.020	0.170	0.012	4.71	0.009	52.12	0.150
MAXIMUM		0.075	1.33	0.012	7.15	0.070	63.00	43.00	0.150
ARITH MEAN		0.034<A	0.64	0.006	5.58	0.034	33.5	10.84	0.061
GEOM MEAN		0.027<A	0.46		5.48	0.026	27.1	3.89	0.046
MINIMUM		0.005	0.170	0.003	4.18	0.008	9.5	0.50	0.020
STD DEV (GEOM *)		0.024<A	0.48		1.11	0.023	21.0	15.02	0.049
# SAMP IN STATISTICS		8	8	6	8	8	8	8	8
% SAMP (EXCLUDED)				25					

STORET CODE: 02  
002  
7950

DISTANCE: 50.522

[illegible]

B.O.W./ SITE: AUX SABLES RIVER

SAMPLE POINT: AT BRIDGE DOWNSTREAM FROM CAMERON FALLS

STATION TYPE: RIVER

STATION ID: 14-0028-064-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: LAKE HURON

TERM STREAM: SPANISH RIVER

STORET CODE: 02

002

7950

LAT: 46 16 37.20 LONG: 082 09 02.14

U T M: 17 0411350.0 5125250.0 4

REGION: 05

DISTANCE: 50.522

*=INTERIM TEST-NAME:		PPUT	RA226F	SS04UR	TURB	UU238	ZNUT
		PHOSPHOR		SULPHATE			ZINC
SAMPLE		UNF.TOT.	RADIUM	UNF.REAC		URANIUM	UNF.TOT.
DATE	HOUR	MG/L	226 FIL.	MG/L	TURB'ITY	238	MG/L
YYMMDD	LMT	AS P	MBQ/L	AS S04	FTU	UG/L	AS ZN
820713	1730	32333	0.017		7.3	1.47	0.001
820830	1700	32339	0.005		6.7	0.84	0.004
820930	1800	31808	0.016	40<	6.5	1.11	3
821031	1700	31840	0.004	40<	7.21	0.87	11
821130	1800	31871	0.012		7.84	0.71	
821229	1000	31904	0.012		8.22	0.63	
MAXIMUM		0.017		8.22	1.47	11	0.006
ARITH MEAN		0.011		7.3	0.94	7	0.003
GEOM MEAN		0.010		7.3	0.90	6	0.002
MINIMUM		0.004		6.5	0.63	3	0.001
STD DEV (GEOM *)		0.005		0.7	0.31	6	0.002
# SAMP IN STATISTICS		6		6	6	2	5
% SAMP (EXCLUDED)							

B.O.W./ SITE: OTTAWA RIVER

STATION ID: 18-0000-360-02

SAMPLE POINT: AT OTTO HOLDEN DAM 1200' FROM P/Q SHORE

STATION TYPE: RIVER FLOW GAUGE FED 02JE012

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: OTTAWA RIVERSTORET CODE: 02  
006

LAT: 46 22 42.80 LONG: 078 43 39.67

U T M: 17 0674750.0 5138400.0 4

REGION: 05

DISTANCE: 548.610

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FEUT	FWFLOW	FWSTRC	FWTEMP
				ALK	CONDUCT.	COPPER	DISOLVED	IRON	STREAM		
SAMPLE		SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW		WATER
DATE	HR	DEPTH	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	MG/L	M3	STREAM	TEMP
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AT 25 C	AS CU	AS O	AS FE	/S	COND.	DEG.C
820321	1730	33012	0101	18	65	0.004	9.00		448.000	6	1.0
820412	1520	33034	0101	17	62	0.004		0.350	359.000	6	
820502	1510	33049	0101	12.8	55.0	0.006	10.00	0.300	972.000	6	7.0
820607	1400	33084	0101	14.1	61.6	0.002	9.00	0.300	437.000	6	12.0
820705	1500	33107	0101	18.5	65.8	0.002	8.00	0.245	464.000	6	17.0
820802	1325	33130	0101	19.6	70.3	0.006	6.00	0.185	339.000	6	19.0
820831	1945	33153	0101	19.0	73.8	0.003	6.00	0.150	307.000	6	18.0
820929	0530	33177	0101	17.3	76.1	0.004	6.00	0.205	327.000	6	17.0
821017	1700	33193	0101	17.1	72.5	0.006	6.00	0.185	369.000	6	13.0
821114	1700	33210	0101	19.7	68.8	0.007	7.00	0.285	598.000	6	1.0
MAXIMUM		0.30		19.7	76.1	0.007	10.00	0.350	972.000		19.0
ARITH MEAN		0.30		17	67	0.004	7.44	0.245	462.000		11.7
GEOM MEAN				17	67	0.004	7.30	0.237	434.175		7.8
MINIMUM		0.30		12.8	55.0	0.002	6.00	0.150	307.000		1.0
STD DEV (GEOM *)				2	6	0.002	1.59	0.068	198.902		7.1
# SAMP IN STATISTICS		10		10	10	10	9	9	10		9
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PHNOL	PPUT	SS04UR	TURB
			NH3-N		K'DAHL N						
SAMPLE		NICKEL	TOTAL	NO2+NO3N	TOTAL	LEAD		PHENOLS	PHOSPHOR	SULPHATE	
DATE	HR	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	UNF.TOT.	UNF.REAC	TURB'ITY
YYMMDD	LMT	MG/L	MG/L	MG/L	MG/L	MG/L	PH	UG/L	MG/L	MG/L	FTU
		AS NI	AS N	AS N	AS N	AS PB		PHENOL	AS P	AS S04	
820321	1730	33012	0.130			0.003<	7.33	1<T	0.032		4.60
820412	1520	33034	0.001	0.175	0.36	0.003<	6.72		0.014	8.4	4.50
820502	1510	33049	0.001	0.150	0.40	0.003<	7.19		0.012	6.4	4.30
820607	1400	33084	0.002<	0.165	0.50	0.003<	7.32		0.025	9.6	3.40
820705	1500	33107	0.001	0.130	0.41	0.003<	7.35		0.008	8.7	2.40
820802	1325	33130	0.001<	0.120	0.57	0.005	7.05		0.012	1.0	1.89
820831	1945	33153	0.002<	0.230	0.62	0.003<	7.42		0.014	10.3	1.36
820929	0530	33177	0.001	0.480	0.46	0.003<	7.16		0.020	10.1	1.22
821017	1700	33193	0.001	0.205	0.34	0.003<	7.39		0.036	10.3	1.56
821114	1700	33210	0.001	0.270	0.440	0.005	6.82		0.012	9.22	3.10
MAXIMUM		0.001	0.130	0.480	0.62	0.005	7.42	1	0.036	10.3	4.60
ARITH MEAN		0.001	0.130	0.214	0.46	0.005	7.17	1<A	0.018	8.2	2.83
GEOM MEAN				0.195	0.45		7.17		0.017	7.1	2.54
MINIMUM		0.001	0.130	0.120	0.34	0.005	6.72	1	0.008	1.0	1.22
STD DEV (GEOM *)				0.111	0.09		0.24		0.009	3.0	1.33
# SAMP IN STATISTICS		6	1	9	9	2	10	1	10	9	10
% SAMP (EXCLUDED)		33				80					

B.O.W./ SITE: OTTAWA RIVER

STATION ID: 18-0000-360-02

SAMPLE POINT: AT OTTO HOLDEN DAM 1200' FROM P/Q SHORE

STATION TYPE: RIVER FLOW GAUGE FED 02JE012

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: OTTAWA RIVERSTORET CODE: 02  
006

LAT: 46 22 42.80 LONG: 078 43 39.67

U T M: 17 0674750.0 5138400.0 4

REGION: 05

DISTANCE: 548.610

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
SAMPLE UNF.TOT.  
DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN

820321	1730	33012	0.012
820412	1520	33034	0.007
820502	1510	33049	0.005
820607	1400	33084	0.005
820705	1500	33107	0.004
820802	1325	33130	0.007
820831	1945	33153	0.003
820929	0530	33177	0.008
821017	1700	33193	0.006
821114	1700	33210	0.009

MAXIMUM 0.012  
ARITH MEAN 0.007  
GEOM MEAN 0.006  
MINIMUM 0.003

STD DEV (GEOM \*) 0.003  
# SAMP IN STATISTICS 10  
% SAMP (EXCLUDED)



B.O.W./ SITE: MATTAWA RIVER  
 SAMPLE POINT: HIGHWAY 533 BRIDGE MATTAWA  
 STATION TYPE: RIVER

STATION ID: 18-6070-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MATTAWA RIVER

STORET CODE: 02  
 006  
 5570

LAT: 46 19 07.55 LONG: 078 42 29.09 U T M: 17 0676450.0 5131800.0 4 , REGION: 05 DISTANCE: 0.161

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	CLIDUR	COND25	CUUT	DO	FCMF FECAL COLIFORM	FEUT IRON UNF.TOT.
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE
820321	1700	33011	0.30	0101	17		6.10	83	0.002	11.00	0.200
820412	1500	33033	0.30	0101	12	0.180	3.15	65	0.002	10<	0.310
820502	1430	33048	0.30	0101	9.1	0.190	2.15	49.9	0.006	4<	0.260
820607	1330	33083	0.30	0101	21.2	0.146	1.60	87.7	0.002	9.00	0.180
820705	1430	33106	0.30	0101						9.00	4<
820802	1310	33129	0.30	0101	17.6		1.60	65.8	0.007	6.00	240
820831	1930	33152	0.30	0101	12.8	0.040	1.55	53.1	0.003	8.00	10<
820929	0500	33176	0.30	0101		0.060	2.74	69.9	0.003	8.00	0.110
821017	1630	33192	0.30	0101	15.2	0.079	2.20	62.2	0.015	7.00	50<=>
821114	1630	33209	0.30	0101	20.1	0.220	1.70	67.7	0.002	9.00	0.280
MAXIMUM		0.30			21.2	0.220	6.10	87.7	0.015	12.00	240
ARITH MEAN		0.30			16	0.131	2.53	67	0.005	8.78	145
GEOM MEAN					15	0.111	2.28	66	0.004	8.60	0.183
MINIMUM		0.30			9.1	0.040	1.55	49.9	0.002	6.00	50
STD DEV (GEOM *)					4	0.071	1.45	12	0.004	1.86	0.074
# SAMP IN STATISTICS		10			8	7	9	9	9	9	9
% SAMP (EXCLUDED)											71

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PP04FR	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL	P04 FIL.REAC MG/L AS P
820321	1700	33011	6	2.0		0.024		0.39	0.004	7.25	1 <T	0.001
820412	1500	33033	6		0.002<	0.024			0.003<	6.65	1 <T	0.0010<T
820502	1430	33048	6	10.0	0.001<	0.034			0.003<	6.78	1.0	0.0050
820607	1330	33083	6	23.0	0.002<	0.052			0.003<	7.21	0.2<W	0.0110
820705	1430	33106	6	20.0								
820802	1310	33129	6	21.0	0.001	0.166	0.100	0.47	0.005	7.35		0.0010<T
820831	1930	33152	6	19.0	0.001<	0.046			0.003<	7.33	2.0	0.0060
820929	0500	33176	6	17.0	0.001	0.112			0.003<	7.27		0.0595
821017	1630	33192	6	12.0	0.001<	0.062			0.003<	7.38	1.8	0.0080
821114	1630	33209	6	2.0	0.001<	0.002<W			0.003<	7.41	1.4	0.0095

B.O.W./ SITE: MATTAWA RIVER  
 SAMPLE POINT: HIGHWAY 533 BRIDGE MATTAWA  
 STATION TYPE: RIVER

STATION ID: 18-6070-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MATTAWA RIVER

STORET CODE: 02  
 006  
 5570

LAT: 46 19 07.55 LONG: 078 42 29.09 U T M: 17 0676450.0 5131800.0 4 REGION: 05 DISTANCE: 0.161

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N TOTAL	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PP04FR	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL	P04 FIL.REAC MG/L AS P

		MAXIMUM		23.0	0.001	0.166	0.100	0.47	0.005	7.41	2.0	0.0595
		ARITH MEAN		14.0	0.001	0.058<A	0.100	0.43	0.004	7.18	1 <A	0.011 <A
		GEOM MEAN		10.5		0.036<A		0.43		7.18	1 <A	0.005 <A
		MINIMUM		2.0	0.001	0.002	0.100	0.39	0.004	6.65	0.2	0.001
		STD DEV (GEOM *)		8.0		0.051<A		0.06		0.27	1 <A	0.018 <A
		# SAMP IN STATISTICS		9	2	9	1	2	2	9	7	9
		% SAMP (EXCLUDED)			75				77			

*=INTERIM TEST-NAME:		PPUT	RSP	SS04UR	TCMF COLIFORM TOTAL MF CNT /100ML	TCMFBK COLIFORM TOTAL MF BCKGRD CNT /100ML	TURB	ZNUT
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE PARTIC. MG/L	SULPHATE UNF.REAC MG/L AS S04	TURB'ITY FTU	ZINC UNF.TOT. MG/L AS ZN	

820321	1700	33011	0.012	1.8			1.47	0.084
820412	1500	33033	0.018	2.570		210	3.10	0.011
820502	1430	33048	0.018	2.410		260<=>	3.70	0.007
820607	1330	33083	0.055	148.000		260	2.90	0.020
820705	1430	33106				90<=>		
820802	1310	33129	0.018	1.040	8.7	2500	1.73	0.008
820831	1930	33152	0.019	1.060		900<=>	1.14	0.003
820929	0500	33176	0.089	1.600			1.16	0.011
821017	1630	33192	0.019	1.500		580	1.63	0.003
821114	1630	33209	0.022	2.800			2.90	0.001

		MAXIMUM	0.089	148.000	8.7	2500	160000	3.70	0.084
		ARITH MEAN	0.030	18.1	8.7	686	28737	2.19	0.016
		GEOM MEAN	0.024	2.8		401		2.01	0.008
		MINIMUM	0.012	1.040	8.7	90	810	1.14	0.001
		STD DEV (GEOM *)	0.025	48.7		3*		0.96	0.026
		# SAMP IN STATISTICS	9	9	1	7	6	9	9
		% SAMP (EXCLUDED)					14		

B.O.W./ SITE: KAIBUSKONG RIVER  
 SAMPLE POINT: AT DAM IN BONDFIELD  
 STATION TYPE: RIVER

STATION ID: 18-6070-090-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MATTAWA RIVER

STORET CODE: 02  
 006  
 5570

LAT: 45 19 57.49 LONG: 079 10 41.82 U T M: 17 0642750.0 5021300.0 4 REGION: 05 DISTANCE: 35.727

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP
				ALK	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON		
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP
			CODE	AS CAC03	AS CL	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C
820412	1420	33032	0101	19	4.15	72	0.001	8.00	0.290	6	2.0
820502	1350	33047	0101	14.3	3.30	58.0	0.007	10.00	0.300	6	12.0
820607	1230	33082	0101	18.8	2.90	65.3	0.001	9.00	0.365	6	21.0
820705	1400	33105	0101	18.8	2.20	62.5	0.002	8.00	0.375	6	23.0
820802	1230	33128	0101	23.2	3.20	71.3	0.003	9.00		6	19.0
820831	1900	33151	0101	25.3	4.50	82.4	0.001<	9.00	0.365	6	19.0
820929	0430	33175	0101	21.6	3.30	74.3	0.006	9.00	0.205	6	18.0
821017	1545	33191	0101	19.2	4.26	75.1	0.004	8.00	0.265	6	9.0
821114	1600	33208	0101	20.4	3.71	68.2	0.001<	8.00	0.205	6	2.0
MAXIMUM		0.30		25.3	4.50	82.4	0.007	10.00	0.375		23.0
ARITH MEAN		0.30		20	3.50	70	0.003	8.67	0.296		13.9
GEOM MEAN				20	3.43	70		8.64	0.289		10.3
MINIMUM		0.30		14.3	2.20	58.0	0.001	8.00	0.205		2.0
STD DEV (GEOM *)				3	0.73	7		0.71	0.069		8.0
# SAMP IN STATISTICS		9		9	9	9	7	9	8		9
% SAMP (EXCLUDED)							22				

*INTERIM TEST-NAME:		NIUT	NNHTFR	NNOTFR	NNTKUR	PBUT	PH	PP04FR	PPUT	RSP	SS04UR
		NICKEL	NH3-N	NO2+NO3N	K'DAHL N	LEAD		P04	PHOSPHOR		SULPHATE
SAMPLE DATE	HOUR	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		FIL.REAC	UNF.TOT.	RESIDUE	UNF.REAC
YYMMDD	LMT	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L	PARTIC.	MG/L
		AS NI	AS N	AS N	AS N	AS PB	PH	AS P	AS P	MG/L	AS S04
820412	1420	0.002<	0.030	0.205	0.38	0.003<	6.69	0.0035	0.020	3.310	7.3
820502	1350	0.001<	0.004<T	0.130	0.33	0.003<	7.32	0.0050	0.022	6.380	8.2
820607	1230	0.002<	0.054	0.080	0.43	0.003<	7.45	0.0080	0.031		6.8
820705	1400	0.001<	0.102	0.040	0.49	0.003<	7.56	0.0080	0.025	5.040	6.6
820802	1230	0.001<	0.086	0.020	0.50	0.004	7.41	0.0095	0.050	8.940	
820831	1900	0.002<	0.076	0.010<T	0.50	0.003<	7.65	0.0070	0.032	5.880	6.6
820929	0430	0.001	0.078	0.045	0.45	0.003<	7.60	0.0100	0.023	3.530	7.1
821017	1545	0.001<	0.054	0.050	0.35	0.003<	7.44	0.0390	0.069	5.160	8.1
821114	1600	0.001<	0.002<T		0.350	0.003<	7.53	0.0080	0.025	2.380	7.73
MAXIMUM		0.001	0.102	0.205	0.50	0.004	7.65	0.0390	0.069	8.940	8.2
ARITH MEAN		0.001	0.054<A	0.072<A	0.42	0.004	7.41	0.0109	0.033	5.077	7.3
GEOM MEAN			0.032<A	0.050<A	0.41		7.40	0.0085	0.030	4.711	7.3
MINIMUM		0.001	0.002	0.010	0.33	0.004	6.69	0.0035	0.020	2.380	6.6
STD DEV (GEOM *)			0.036<A	0.065<A	0.07		0.29	0.0107	0.016	2.072	0.6
# SAMP IN STATISTICS		1	9	8	9	1	9	9	9	8	8
% SAMP (EXCLUDED)		88				88					

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 317

B.O.W./ SITE: KAIBUSKONG RIVER  
SAMPLE POINT: AT DAM IN BONDFIELD  
STATION TYPE: RIVER

STATION ID: 18-6070-090-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: OTTAWA RIVER  
TERM STREAM: MATTAWA RIVER

STORET CODE: 02  
006  
5570

LAT: 45 19 57.49 LONG: 079 10 41.82

U T M: 17 0642750.0 5021300.0 4

REGION: 05

DISTANCE: 35.727

*=INTERIM TEST-NAME:		TURB	ZNUT
			ZINC
SAMPLE			UNF.TOT.
DATE	HR	SAMPLE	TURB'ITY
YYMMDD	LMT	NUMBER	FTU
			MG/L
			AS ZN
820412	1420	33032	3.30
820502	1350	33047	4.20
820607	1230	33082	3.80
820705	1400	33105	2.60
820802	1230	33128	5.40
820831	1900	33151	4.20
820929	0430	33175	1.84
821017	1545	33191	2.70
821114	1600	33208	1.92
MAXIMUM		5.40	0.022
ARITH MEAN		3.33	0.006
GEOM MEAN		3.14	0.004
MINIMUM		1.84	0.002
STD DEV (GEOM *)		1.18	0.007
# SAMP IN STATISTICS		9	9
% SAMP (EXCLUDED)			

B.O.W./ SITE: FOUR MILE CREEK  
 SAMPLE POINT: FOUR MILE CREEK AT MOUTH  
 STATION TYPE: RIVER

STATION ID: 18-6070-100-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MATTAWA RIVER

STORET CODE: 02  
 006  
 5570

LAT: 46 20 07.74 LONG: 079 20 10.51 U T M: 17 0628050.0 5132450.0 4 REGION: 05 DISTANCE: 14.805

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CDUT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP
				ALK	CADMIUM	CONDUCT.	COPPER	DISOLVED	IRON		
SAMPLE DATE	HOUR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER
YYMMDD	LMT	NUMBER	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP
			CODE	AS CAC03	AS CD	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C
820412	1540	33035	0101	6	0.0006	61	0.004	11.00	0.530		2.0
820502	1610	33050	0101	6.6	0.0002<	42.6	0.003	10.00	0.530	6	12.0
820607		33085	0101	14.5	0.0006	91.3	0.002	9.00	0.535	6	18.0
820705	1600	33108	0101	15.7	0.0005	90.9	0.002	9.00	0.730	6	20.0
820802	1430	33131	0101	18.2	0.0006	99.1	0.004	9.00	0.620	6	18.0
820830	1930	33154	0101	16.2	0.0006	91.4	0.002	6.00	0.555	6	13.0
820927	1530	33169	0101	13.5	0.0002	73.7	0.005	7.00	0.640	6	14.0
821017	1800	33194	0101	6.7	0.0002<	48.2	0.001	6.00	0.435		7.0
821114	1800	33211	0101	5.2	0.0003	44.2	0.059	8.00	0.425		2.0
MAXIMUM		0.30		18.2	0.0006	99.1	0.059	11.00	0.730		20.0
ARITH MEAN		0.30		11	0.0005	71	0.009	8.33	0.556		11.8
GEOM MEAN				10		68	0.004	8.17	0.548		9.0
MINIMUM		0.30		5.2	0.0002	42.6	0.001	6.00	0.425		2.0
STD DEV (GEOM *)				5		23	0.019	1.73	0.097		6.8
# SAMP IN STATISTICS		9		9	7	9	9	9	9		9
% SAMP (EXCLUDED)					22						

*INTERIM TEST-NAME:		NIUT	NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TURB	ZNUT
		NICKEL	N02+N03N	K'DAHL N	LEAD		PHOSPHOR	SULPHATE		ZINC
SAMPLE DATE	HOUR	UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF.TOT.	UNF.REAC	TURB'ITY	UNF.TOT.
YYMMDD	LMT	MG/L	MG/L	MG/L	MG/L	PH	MG/L	MG/L	FTU	MG/L
		AS NI	AS N	AS N	AS PB		AS P	AS S04		AS ZN
820412	1540	33035	0.001	0.365	0.40	0.003<	6.61	0.024	10.0	0.140
820502	1610	33050	0.001<	0.145	0.33	0.003<	6.42	0.028	8.6	0.044
820607		33085	0.002<	0.415	0.30	0.003<	7.31	0.025	12.2	0.170
820705	1600	33108	0.001<	0.410	0.40	0.003<	7.35	0.026	11.9	0.170
820802	1430	33131	0.001<	0.445	0.30	0.006	7.44	0.020	12.1	0.220
820830	1930	33154	0.001<	0.410	0.30	0.003<	7.46	0.015	12.4	0.160
820927	1530	33169	0.001	0.185	0.63	0.003<	7.05	0.038	9.4	0.090
821017	1800	33194	0.001<	0.105	0.35	0.003<	7.02	0.019	8.8	0.058
821114	1800	33211	0.200	0.140	0.360	0.006	8.09	0.018	8.20	0.056
MAXIMUM		0.200	0.445	0.63	0.006	8.09	0.038	12.4	8.60	0.220
ARITH MEAN		0.067	0.291	0.37	0.006	7.19	0.024	10.4	4.19	0.123
GEOM MEAN			0.254	0.36		7.18	0.023	10.3	3.58	0.107
MINIMUM		0.001	0.105	0.30	0.006	6.42	0.015	8.20	1.74	0.044
STD DEV (GEOM *)			0.143	0.10		0.50	0.007	1.7	2.62	0.063
# SAMP IN STATISTICS		3	9	9	2	9	9	9	9	9
% SAMP (EXCLUDED)		66			77					

B.O.W./ SITE: GIROUX LAKE  
 SAMPLE POINT: AT OUTLET NEAR COBALT  
 STATION TYPE: LAKE

STATION ID: 18-6975-001-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MONTREAL RIVER

STORET CODE: 02  
 006  
 6450

LAT: 47 21 20.11 LONG: 079 41 06.04

U T M: 17 0599310.0 5245300.0 4

REGION: 05

DISTANCE: 106.697

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820228	1220	32002	0101	119	0.071	0.410	345	0.005	8.00	0.03	4
820430	1440	32022	0101	81.1		0.260	214.0	0.002	9.00	0.040<T	4
820601	1200	32042	0101	119.6		0.330	281.0	0.004	6.00	0.085	8
820621	1515	32062	0101	107.1		0.310	270.0	0.005	8.00	0.020	8
820719	1320	32082	0101	112.1		0.220	279.0	0.006	5.00	0.045	8
820819	1750	32102	0101	114.4		0.400	281.0	0.002	6.00	0.030<T	8
820920	1235	32122	0101	99.1		0.350		0.003	5.00	0.035<T	8
821021	1820	32142	0101	100.1		0.460	265.0	0.003	10.00	0.015<T	8
821114	1430	32162	0101	102.4		0.440	273.0	0.001	11.00	0.010<T	4
821213	1245	32182	0101	112.4		0.490	291.0	0.005		0.010<T	4
MAXIMUM				0.30	119.6	0.071	0.490	0.006	11.00	0.085	
ARITH MEAN				0.30	107	0.071	0.367	0.004	7.56	0.03 <A	
GEOM MEAN					106		0.357	0.003	7.27	0.03 <A	
MINIMUM				0.30	81.1	0.071	0.220	0.001	5.00	0.010	
STD DEV (GEOM *)					12		0.088	0.002	2.19	0.02 <A	
# SAMP IN STATISTICS				10	10	1	10	10	9	10	
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	
					NH3-N				K'DAHL N			
			MANGANESE	NICKEL	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL	LEAD		
SAMPLE		WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		
DATE	HR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		
YYMMDD	LMT	DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	
820228	1220	32002	0.0	0.032	0.005	0.094	0.200	0.0070	0.195	0.45	0.003<	7.53
820430	1440	32022	7.0		0.004		0.230			0.29	0.003<	7.70
820601	1200	32042	20.0		0.006		0.155			0.53	0.003<	7.46
820621	1515	32062			0.003		0.030			0.50	0.003<	8.05
820719	1320	32082	22.0		0.004		0.010<T			0.55	0.003	7.50
820819	1750	32102	20.0		0.003		0.045			0.50	0.008	7.79
820920	1235	32122	11.0		0.003						0.005	
821021	1820	32142	6.0		0.002		0.090			0.44	0.003	8.03
821114	1430	32162	1.0		0.006		0.030			0.430	0.003<	8.04
821213	1245	32182			0.006		0.150			0.400	0.006	8.38
MAXIMUM		22.0	0.032	0.006	0.094	0.230	0.0070	0.195	0.55	0.008	8.38	
ARITH MEAN		10.9	0.032	0.004	0.094	0.104<A	0.0070	0.195	0.45	0.005	7.83	
GEOM MEAN				0.004		0.070<A			0.45		7.83	
MINIMUM		0.0	0.032	0.002	0.094	0.010	0.0070	0.195	0.29	0.003	7.46	
STD DEV (GEOM *)				0.001		0.082<A			0.08		0.31	
# SAMP IN STATISTICS		8	1	10	1	9	1	1	9	5	9	
% SAMP (EXCLUDED)												

B.O.W./ SITE: GIROUX LAKE  
 SAMPLE POINT: AT OUTLET NEAR COBALT  
 STATION TYPE: LAKE

STATION ID: 18-6975-001-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MONTREAL RIVER

STORET CODE: 02  
 006  
 6450

LAT: 47 21 20.11 LONG: 079 41 06.04 U T M: 17 0599310.0 5245300.0 4 REGION: 05 DISTANCE: 106.697

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSF	RSP	SS04UR	TURB	ZNUT
		PO4	PHOSPHOR			SULPHATE		ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC	TURB'ITY	UNF.TOT.
DATE	HR	MG/L	MG/L	MG/L	MG/L	MG/L	FTU	MG/L
YYMMDD	LMT	AS P	AS P			AS SO4		AS ZN
820228	1220	32002	0.220	0.258	224.0	1.800	30.5	0.022
820430	1440	32022		0.320			16.3	0.003
820601	1200	32042		0.069			19.8	0.009
820621	1515	32062		0.165			21.0	0.006
820719	1320	32082		0.050			23.7	0.006
820819	1750	32102		0.032			19.8	0.004
820920	1235	32122					23.0	0.003
821021	1820	32142		0.049			24.6	0.003
821114	1430	32162		0.063			25.38	0.009
821213	1245	32182		0.124			26.38	0.010
MAXIMUM		0.220	0.320	224.0	1.800	30.5	1.91	0.022
ARITH MEAN		0.220	0.126	224.0	1.800	23.0	1.16	0.007
GEOM MEAN			0.094			22.7	1.09	0.006
MINIMUM		0.220	0.032	224.0	1.800	16.3	0.56	0.003
STD DEV (GEOM *)			0.103			4.0	0.42	0.006
# SAMP IN STATISTICS		1	9	1	1	10	8	10
% SAMP (EXCLUDED)								

B.O.W./ SITE: GIROUX LAKE  
 SAMPLE POINT: AT GLEN LAKE OUTLET  
 STATION TYPE: LAKE

STATION ID: 18-6975-004-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MONTREAL RIVER

STORET CODE: 02  
 006  
 6450

LAT: 47 22 11.30 LONG: 079 40 10.41

U T M: 17 0600450.0 5246900.0 4

REGION: 05

DISTANCE: 108.950

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC
				ALK	ALUMINUM	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.
820228	1235	32003	0101	148	0.140	0.600	425	0.006	5.00	0.15	4
820430	1455	32023	0101	84.6		0.290	218.0	0.001	10.00	0.245	8
820601	1210	32043	0101	116.9		0.700	300.0	0.004	7.00	0.125	8
820621	1525	32063	0101	116.7		0.350	316.0	0.006	7.00	0.070	8
820719	1335	32083	0101	140.5		0.480	374.0	0.006	5.00	0.060	8
820819	1800	32103	0101	146.4		1.000	397.0	0.004	7.00	0.070	8
820920	1250	32123	0101	130.7		0.740		0.004	6.00	0.080	8
821021	1840	32143	0101	130.3		0.920	391.0	0.006	7.00	0.252	8
821114	1445	32163	0101	143.0		0.840	433.0	0.009	10.00	0.215	8
821213	1255	32183	0101	174.5		1.120	474.0	0.013		0.580	4
MAXIMUM				174.5	0.140	1.120	474.0	0.013	10.00	0.580	
ARITH MEAN				133	0.140	0.704	370	0.006	7.11	0.18	
GEOM MEAN				131		0.648	361	0.005	6.91	0.14	
MINIMUM				84.6	0.140	0.290	218.0	0.001	5.00	0.060	
STD DEV (GEOM *)				24		0.276	79	0.003	1.83	0.16	
# SAMP IN STATISTICS				10	1	10	9	10	9	10	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	MNUT	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	
					NH3-N				K'DAHL N			
			MANGANESE	NICKEL	TOTAL	N02+N03N	N02-N	N03-N	TOTAL	LEAD		
SAMPLE		WATER	UNF.TOT.	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		
DATE	HR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		
YYMMDD	LMT	DEG.C	AS MN	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	
820228	1235	32003	0.0	0.064	0.014	0.090	1.600	0.032	1.570	0.38	0.003<	7.71
820430	1455	32023	7.0		0.005		0.375			0.21	0.003<	7.84
820601	1210	32043	21.0		0.006		0.590			0.34	0.003<	7.75
820621	1525	32063			0.006		1.100			0.43	0.003<	8.19
820719	1335	32083	22.0		0.008		1.150			0.33	0.004	7.82
820819	1800	32103	19.0		0.005		1.400			0.42	0.005	8.14
820920	1250	32123	11.0		0.006						0.005	
821021	1840	32143	6.0		0.009		1.400			0.28	0.007	8.02
821114	1445	32163	2.0		0.014		2.200			0.320	0.010	7.11
821213	1255	32183			0.024		1.650			0.490	0.016	8.39
MAXIMUM			22.0	0.064	0.024	0.090	2.200	0.032	1.570	0.490	0.016	8.39
ARITH MEAN			11.0	0.064	0.010	0.090	1.274	0.032	1.570	0.36	0.008	7.89
GEOM MEAN					0.008		1.137			0.35		7.88
MINIMUM			0.0	0.064	0.005	0.090	0.375	0.032	1.570	0.21	0.004	7.11
STD DEV (GEOM *)					0.006		0.554			0.08		0.37
# SAMP IN STATISTICS			8	1	10	1	9	1	1	9	6	9
% SAMP (EXCLUDED)												



B.O.W./ SITE: GIROUX LAKE  
 SAMPLE POINT: AT GLEN LAKE OUTLET  
 STATION TYPE: LAKE

STATION ID: 18-6975-004-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MONTREAL RIVER

STORET CODE: 02  
 006  
 6450

LAT: 47 22 11.30 LONG: 079 40 10.41

U T M: 17 0600450.0 5246900.0 4

REGION: 05

DISTANCE: 108.950

*INTERIM TEST-NAME:		PP04FR	PPUT	RSF	RSP	SS04UR	TURB	ZNUT
		P04	PHOSPHOR			SULPHATE		ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC	TURB'ITY	UNF.TOT.
DATE	HOUR	MG/L	MG/L	MG/L	MG/L	MG/L	FTU	MG/L
YYMMDD	LMT	AS P	AS P			AS S04		AS ZN
820228	1235	32003	0.240	0.295	237	0.6	37.0	0.024
820430	1455	32023		0.450			16.7	0.006
820601	1210	32043		0.068			29.0	0.011
820621	1525	32063		0.120			30.0	0.008
820719	1335	32083		0.440			36.9	0.004
820819	1800	32103		0.093			39.9	0.005
820920	1250	32123					37.9	0.003
821021	1840	32143		0.140			44.2	0.005
821114	1445	32163		0.115			53.90	0.008
821213	1255	32183		0.235			51.10	0.016
MAXIMUM		0.240	0.450	237	0.6	53.90	5.50	0.024
ARITH MEAN		0.240	0.217	237	0.6	37.7	2.31	0.009
GEOM MEAN			0.177			36.0	1.75	0.007
MINIMUM		0.240	0.068	237	0.6	16.7	0.69	0.003
STD DEV (GEOM *)			0.147			10.9	1.82	0.007
# SAMP IN STATISTICS		1	9	1	1	10	8	10
% SAMP (EXCLUDED)								

B.O.W./ SITE: FARR CREEK

STATION ID: 18-7370-001-02

SAMPLE POINT: DOWNSTREAM FROM CROSSWISE LAKE

STATION TYPE: RIVER FLOW GAUGE FED 02JE018

MAJOR BASIN: GREAT LAKES

MINOR BASIN: OTTAWA RIVER

TERM STREAM: FARR CREEK

STORET CODE: 02

006

6870

LAT: 47 25 30.59 LONG: 079 37 58.90

U T M: 17 0603100.0 5253100.0 4

REGION: 05

DISTANCE: 5.472

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	AGUT	ALKT	ALUT	ASUT	CLIDUR	COND25	CRUT	CUUT
				SILVER	ALK	ALUMINUM	ARSENIC	CHLORIDE	CONDUCT.	CHROMIUM	COPPER
SAMPLE		SAMPLE	PROJECT	UNF.TOT.	TOTAL	UNF.TOT.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS AG	AS CACO3	AS AL	AS AS	AS CL	AT 25 C	AS CR	AS CU
820228	1305	32005	0101		115	0.260		14.00	360	0.003	0.015
820430	1515	32025	0101	0.0006	71.1		0.210	6.45	203.0		0.008
820601	1235	32045	0101	0.0005<	102.1		0.750	12.80	270.0		0.015
820621	1545	32065	0101		96.3		0.560	14.40	263.0		0.012
820719	1410	32085	0101	0.0005<	97.1		0.630	24.60	310.0		0.010
820819	1820	32105	0101		86.8	0.100	1.000	35.50	347.0		0.008
820920	1315	32125	0101	0.0005<	114.9		0.860	35.00	453.0		0.009
821021	1910	32145	0101	0.0005<	113.1		0.940	14.00	379.0		0.014
821114	1505	32165	0101	0.0005<	112.9		0.790	20.10	354.0		0.005
821213	1315	32185	0101	0.0005<	95.4		0.330	10.10	269.0		0.016
MAXIMUM		0.30		0.0006	115	0.260	1.000	35.50	453.0	0.003	0.016
ARITH MEAN		0.30		0.0006	100	0.180	0.674	18.69	321	0.003	0.011
GEOM MEAN					99	0.161	0.610	16.44	313		0.011
MINIMUM		0.30		0.0006	71.1	0.100	0.210	6.45	203.0	0.003	0.005
STD DEV (GEOM *)					14	0.113	0.269	10.03	72		0.004
# SAMP IN STATISTICS		10		1	10	2	9	10	10	1	10
% SAMP (EXCLUDED)				85							

*=INTERIM TEST-NAME:		DO	FEUT	FWFLOW	FWSTRC	FWTEMP	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR
								NH3-N			
		DISOLVED	IRON	STREAM			NICKEL	TOTAL			
SAMPLE		OXYGEN	UNF.TOT.	FLOW		WATER	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC
DATE	HR	MG/L	MG/L	M3	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS O	AS FE	/S	COND.	DEG.C	AS NI	AS N	AS N	AS N	AS N
820228	1305	32005	7.00	0.78	0.136	4	0.036	0.790	0.770	0.0430	0.725
820430	1515	32025	11.00	0.420	3.380	8	0.013	0.006<T	0.670		
820601	1235	32045	6.00	0.435	0.359	8	0.028	0.004<T	0.300		
820621	1545	32065	9.00	0.235	0.339	5	0.026	0.024	0.080		
820719	1410	32085	8.00	0.205	0.036	5	0.020	0.042	0.050		
820819	1820	32105	8.00	0.210	0.003	8	0.019	0.006	0.120		
820920	1315	32125	10.00	0.260	0.217	8	0.053	0.004<T	0.370		
821021	1910	32145	6.00	0.406	0.547	8	0.040	0.006	0.760		
821114	1505	32165	10.00	0.450	0.467	4	0.036	0.004<T	0.415		
821213	1315	32185		0.290	0.499	4	0.030	0.002<T	0.475		
MAXIMUM		11.00	0.78	3.380		22.0	0.053	0.790	0.770	0.0430	0.725
ARITH MEAN		8.33	0.37	0.598		10.6	0.030	0.089<A	0.401	0.0430	0.725
GEOM MEAN		8.16	0.34	0.210			0.028	0.011<A	0.289		
MINIMUM		6.00	0.205	0.003		0.0	0.013	0.002	0.050	0.0430	0.725
STD DEV (GEOM *)		1.80	0.17	0.996			0.012	0.247<A	0.271		
# SAMP IN STATISTICS		9	10	10		8	10	10	10	1	1
% SAMP (EXCLUDED)											

(CONT'D)

B.O.W./ SITE: FARR CREEK  
 SAMPLE POINT: DOWNSTREAM FROM CROSSWISE LAKE  
 STATION TYPE: RIVER FLOW GAUGE FED 02JE018

STATION ID: 18-7370-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: FARR CREEK

STORET CODE: 02  
 006  
 6870

LAT: 47 25 30.59 LONG: 079 37 58.90

U T M: 17 0603100.0 5253100.0 4

REGION: 05

DISTANCE: 5.472

*=INTERIM TEST-NAME:		NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSF	RSP	SS04UR	TURB	
		K'DAHL N	LEAD		PHENOLS	P04	PHOSPHOR			SULPHATE		
		TOTAL	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	UNF.REAC		
SAMPLE		FIL.TOT.	MG/L		UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	TURB'ITY	
DATE	HR	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	MG/L	AS S04	FTU	
YYMMDD	LMT	NUMBER										
820228	1305	32005	1.58	0.010	7.48	1	0.240	0.450	234.0	11.300	29.0	3.80
820430	1515	32025	0.40	0.003<	7.80		0.4100	0.375		8.700	15.2	5.50
820601	1235	32045	0.48	0.004	7.64		0.0800	0.190		8.470	16.5	4.50
820621	1545	32065	0.61	0.004	9.11		0.1000	0.160		1.500	18.4	1.94
820719	1410	32085	0.65	0.010	8.33		0.3300	0.555		5.850	23.7	1.46
820819	1820	32105	0.63	0.007	8.31		0.1450	0.200		3.680	30.1	1.94
820920	1315	32125	0.44	0.005	7.88		0.1350	0.375			61.6	1.89
821021	1910	32145	0.01	0.008	8.00		0.2450	0.680		6.390	35.9	5.10
821114	1505	32165	0.400	0.006	8.16		0.0750	0.165		6.130	33.70	1.93
821213	1315	32185	0.170	0.010	8.16		0.076	0.088		4.870	22.82	1.10
MAXIMUM		1.58	0.010	9.11	1	0.4100	0.680	234.0	11.300	61.6	5.50	
ARITH MEAN		0.54	0.007	8.09	1	0.184	0.324	234.0	6.321	28.7	2.92	
GEOM MEAN		0.34		8.08		0.153	0.271		5.566	26.4	2.53	
MINIMUM		0.01	0.004	7.48	1	0.0750	0.088	234.0	1.500	15.2	1.10	
STD DEV (GEOM *)		0.42		0.46		0.118	0.195		2.908	13.6	1.64	
# SAMP IN STATISTICS		10	9	10	1	10	10	1	9	10	10	
% SAMP (EXCLUDED)			10									

*=INTERIM TEST-NAME:		ZNUT	
		ZINC	
		UNF.TOT.	
SAMPLE		MG/L	
DATE	HR	AS ZN	
YYMMDD	LMT	NUMBER	
820228	1305	32005	0.057
820430	1515	32025	0.011
820601	1235	32045	0.014
820621	1545	32065	0.010
820719	1410	32085	0.022
820819	1820	32105	0.005
820920	1315	32125	0.007
821021	1910	32145	0.021
821114	1505	32165	0.020
821213	1315	32185	0.017

MAXIMUM 0.057  
 ARITH MEAN 0.018  
 GEOM MEAN 0.015  
 MINIMUM 0.005

STD DEV (GEOM \*) 0.015

# SAMP IN STATISTICS 10  
 % SAMP (EXCLUDED)

B.O.W./ SITE: COBALT LAKE  
 SAMPLE POINT: AT OUTLET, COBALT  
 STATION TYPE: LAKE

STATION ID: 18-7370-002-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: FARR CREEK

STORET CODE: 02  
 006  
 6870

LAT: 47 23 40.96 LONG: 079 41 00.63 U T M: 17 0599350.0 5249650.0 4 REGION: 05 DISTANCE: 9.495

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ASUT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP
				ALK	ARSENIC	CONDUCT.	COPPER	DISOLVED	IRON		
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	25C	UNF.TOT.	OXYGEN	UNF.TOT.		WATER
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM	TEMP
YYMMDD	LMT	M	CODE	AS CAC03	AS AS	AT 25 C	AS CU	AS O	AS FE	COND.	DEG.C
820430	1505	32024	0101	99.3	0.520	267.0	0.006	11.00	0.090	8	7.0
820601	1220	32044	0101	123.4	0.820	338.0	0.008	9.00	0.095	8	20.0
820621	1535	32064	0101	124.5	1.100	352.0	0.011	8.00	0.160	8	
820719	1345	32084	0101	125.4	0.620	354.0	0.009	8.00	0.205	8	22.0
820819	1815	32104	0101	117.5	1.400	342.0	0.006	8.00	0.140	8	20.0
820920	1300	32124	0101	122.3	1.200		0.007	8.00	0.145	8	13.0
821021	1850	32144	0101	125.1	1.500	379.0	0.008	8.00	0.425	8	6.0
821114	1455	32164	0101	130.3	1.400	389.0	0.004	10.00	0.115	8	2.0
821213	1305	32184	0101	142.0	1.320	414.0	0.010		0.080	4	
MAXIMUM		0.30		142.0	1.500	414.0	0.011	11.00	0.425		22.0
ARITH MEAN		0.30		123.3	1.098	354.4	0.008	8.75	0.162		12.9
GEOM MEAN				122.8	1.034	351.8	0.007	8.69	0.141		9.9
MINIMUM		0.30		99.3	0.520	267.0	0.004	8.00	0.080		2.0
STD DEV (GEOM *)				11.3	0.361	43.8	0.002	1.16	0.106		8.0
# SAMP IN STATISTICS		9		9	9	8	9	8	9		7
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NIUT	NNOTFR	NNTKUR	PBUT	PH	PPUT	SS04UR	TURB	ZNUT
				K'DAHL N	LEAD		PHOSPHOR	SULPHATE		ZINC
SAMPLE		UNF.TOT.	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF.TOT.	UNF.REAC	TURB'ITY	UNF.TOT.
DATE	HR	MG/L	MG/L	MG/L	MG/L	PH	MG/L	MG/L	FTU	MG/L
YYMMDD	LMT	AS NI	AS N	AS N	AS PB		AS P	AS SO4		AS ZN
820430	1505	0.022	0.145	0.25	0.003<	7.75	0.200	15.2	1.67	0.018
820601	1220	0.024	0.010<T	0.25	0.003<	8.38	0.083	20.7	1.97	0.010
820621	1535	0.023	0.045	0.33	0.003<	8.35	0.205	18.9	0.99	0.015
820719	1345	0.020	0.005<T	0.30	0.003<	8.44	0.440	20.0	1.35	0.003
820819	1815	0.016	0.005<T	0.38	0.006	8.22	0.135	17.4	0.76	0.004
820920	1300	0.018			0.003			19.1		0.005
821021	1850	0.027	0.015	0.26	0.007	8.02	0.180	19.8	1.51	0.009
821114	1455	0.028	0.040	0.290	0.004	8.31	0.135	21.48	0.74	0.006
821213	1305	0.034	0.065	0.250	0.008	8.44	0.270	22.32	0.56	0.007
MAXIMUM		0.034	0.145	0.38	0.008	8.44	0.440	22.32	1.97	0.018
ARITH MEAN		0.024	0.041<A	0.29	0.006	8.24	0.206	19.4	1.19	0.009
GEOM MEAN		0.023	0.022<A	0.29		8.24	0.184	19.3	1.10	0.007
MINIMUM		0.016	0.005	0.25	0.003	7.75	0.083	15.2	0.56	0.003
STD DEV (GEOM *)		0.006	0.047<A	0.05		0.24	0.110	2.2	0.51	0.005
# SAMP IN STATISTICS		9	8	8	5	8	8	9	8	9
% SAMP (EXCLUDED)					44					

B.O.W./ SITE: SASAGINAGA LAKE  
SAMPLE POINT: NEAR COBALT  
STATION TYPE: LAKE

STATION ID: 18-7370-003-01

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: OTTAWA RIVER  
TERM STREAM: FARR CREEK

STORET CODE: 02  
006  
6870

LAT: 47 24 02.56 LONG: 079 41 47.80 U T M: 17 0598350.0 5250300.0 4 REGION: 05 DISTANCE: 10.460

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ASUT	BOD5 BOD 5 DAY	COD	COND25	CUUT	DO	FEUT
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CACO3	ARSENIC UNF.TOT. MG/L AS AS	CHEM. OX DEMAND MG/L AS O	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE
820228	1205	32001	0.30	0101	58			175		8.00	0.02
820430	1425	32021	0.30	0101	16.0	0.005		39.7	0.001	10.00	0.020
820601	1140	32041	0.30	0101	49.7	0.003		135.0	0.003	9.00	0.040
820621	1500	32061	0.30	0101	51.0	0.002		142.0	0.004	9.00	0.025
820719	1305	32081	0.30	0101	52.4	0.002		143.0	0.001<	8.00	0.035<T
820819	1730	32101	0.30	0101	52.5	0.003		143.0	0.001<	7.00	0.020<T
820920	1210	32121	0.30	0101	53.2	0.002			0.003	7.00	0.025<T
821021	1810	32141	0.30	0101	52.0	0.008		144.0	0.005	9.00	0.035<T
821114	1415	32161	0.30	0101	54.4	0.004		149.0	0.002	7.00	0.095
821213	1235	32181	0.30	0101	56.0	0.002		152.0	0.004		0.015<T
MAXIMUM		0.30			58	0.008	0.2	175	0.005	10.00	0.095
ARITH MEAN		0.30			50	0.003	0.2<A	136	0.003	8.22	0.03 <A
GEOM MEAN					47	0.003		127		8.16	0.03 <A
MINIMUM		0.30			16.0	0.002	0.2	39.7	0.001	7.00	0.015
STD DEV (GEOM *)					12	0.002		38		1.09	0.02 <A
# SAMP IN STATISTICS		10			10	9	1	9	7	9	10
% SAMP (EXCLUDED)									22		

*INTERIM TEST-NAME:		FWSTRC	FWTEMP	NAUR	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N TOTAL	PBUT	
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C	SODIUM UNF.REAC MG/L AS NA	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	UNF.TOT. MG/L AS PB
820228	1205	32001	4	0.0	4.6		0.014	0.070	0.003	0.065	0.35	
820430	1425	32021	4	2.0		0.002<		0.105			0.25	0.003<
820601	1140	32041	8	20.0		0.001		0.010<T			0.33	0.003<
820621	1500	32061	8			0.001<		0.040			0.54	0.003<
820719	1305	32081	8	22.0		0.001<		0.005<W			0.39	0.042
820819	1730	32101	8	20.0		0.001<		0.005<W			0.32	0.008
820920	1210	32121	8	13.0		0.001<						0.003<
821021	1810	32141	8	6.0		0.001		0.005<T			0.39	0.003
821114	1415	32161	8	1.0		0.009		0.020			0.350	0.003<
821213	1235	32181	4			0.012		0.030			0.230	0.006



B.O.W./ SITE: WABI CREEK  
SAMPLE POINT: HIGHWAY 11 BYPASS NEAR NEW LISKEARD  
STATION TYPE: RIVER

STATION ID: 18-7450-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: OTTAWA RIVER  
TERM STREAM: WABI CREEK

STORET CODE: 02  
006  
6970

**LAT: 47 31 14.65    LONG: 079 41 15.59**

U T M: 17 0598800.0 5263650.0 4

REGION: 05

DISTANCE: 0.644

*INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	ASUT	CLIDUR	COND25	CUUT	DO	FEUT	FWSTRC
					ALK	ARSENIC	CHLORIDE	CONDUCT.	COPPER	DISOLVED	IRON	
SAMPLE	DATE	HR	SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	OXYGEN	UNF.TOT.	
YYMMDD	LMT	NUMBER	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	STREAM
			M	CODE	AS CAC03	AS AS	AS CL	AT 25 C	AS CU	AS O	AS FE	COND.
820228	1110	32000	0.30	0101	108		3.90	270	0.007	12.00		4
820430	1400	32020	0.30	0101	96.5	0.001<	22.80	277.0	0.011U	11.00	14.500	8
820601	1340	32040	0.30	0101	84.2	0.001<	12.80	227.0	0.005	8.00	0.775	8
820621	1435	32060	0.30	0101	97.4	0.001<	11.60	243.0	0.010	9.00	2.325	8
820719	1150	32080	0.30	0101	55.9	0.001	3.75	142.0	0.006	7.00	1.130	8
820819	1705	32100	0.30	0101	71.8	0.001<	4.55	174.0	0.006	10.00	1.180	8
820920	1515	32120	0.30	0101	126.9	0.001	18.20	318.0	0.006	9.00	0.960	8
821021	1730	32140	0.30	0101	105.9	0.002	12.30	282.0	0.006	9.00	2.050	8
821114	1355	32160	0.30	0101	130.1	0.001<	7.35	302.0	0.015	5.00	2.150	4
821213	1145	32180	0.30	0101	58.2	0.035	3.75	156.0	0.021		1.725	4
MAXIMUM			0.30		130.1	0.035	22.80	318.0	0.021	12.00	14.500	
ARITH MEAN			0.30		93	0.010	10.11	239	0.009	8.89	2.977	
GEOM MEAN					90		8.21	231	0.008	8.64	1.850	
MINIMUM			0.30		55.9	0.001	3.75	142.0	0.005	5.00	0.775	
STD DEV (GEOM *)					26		6.67	62	0.005	2.09	4.357	
# SAMP IN STATISTICS			10		10	4	10	10	10	9	9	
% SAMP (EXCLUDED)						55						

*INTERIM		TEST-NAME:	FWTEMP	NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH	PHNOL
				NICKEL	NH3-N				K'DAHL N			
				UNF.TOT.	TOTAL	N02+N03N	N02-N	N03-N	TOTAL	LEAD		PHENOLS
SAMPLE			WATER	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC
DATE	HR	SAMPLE	TEMP	AS NI	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		UG/L
YYMMDD	LMT	NUMBER	DEG.C	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	PHENOL
820228	1110	32000	0.0		0.072	0.195	0.0140	0.180	0.28	0.003<	7.78	1
820430	1400	32020	6.0	0.009U	0.012	0.655			0.93	0.003U	8.05	
820601	1340	32040	20.0	0.002<	0.004<T	0.210			0.50	0.005	8.07	
820621	1435	32060		0.002<	0.008	0.335			0.78	0.003<	7.96	
820719	1150	32080	22.0	0.004	0.122	0.045			0.63	0.003<	7.96	
820819	1705	32100	21.0	0.003	0.010	0.070			0.45	0.003<	8.17	
820920	1515	32120	13.0	0.002	0.004<T	0.275			0.46	0.005	7.87	
821021	1730	32140	4.0	0.002	0.006	0.210			0.55	0.003<	7.94	
821114	1355	32160	1.0	0.069	0.014	0.200			0.525	0.003<	8.24	
821213	1145	32180		0.040	0.004<T	0.515			0.425	0.004	7.97	
MAXIMUM			22.0	0.069	0.122	0.655	0.0140	0.180	0.93	0.005	8.24	1
ARITH MEAN			10.9	0.018	0.026<A	0.271	0.0140	0.180	0.55	0.004	8.00	1
GEOM MEAN					0.012<A	0.210			0.53		8.00	
MINIMUM			0.0	0.002	0.004	0.045	0.0140	0.180	0.28	0.003	7.78	1
STD DEV (GEOM *)					0.040<A	0.189			0.19		0.14	
* SAMP IN STATISTICS												
* SAMP IN EXCLUS												

B.O.W./ SITE: WABI CREEK  
 SAMPLE POINT: HIGHWAY 11 BYPASS NEAR NEW LISKEARD  
 STATION TYPE: RIVER

STATION ID: 18-7450-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: WABI CREEK

STORET CODE: 02  
 006  
 6970

LAT: 47 31 14.65 LONG: 079 41 15.59 U T M: 17 0598800.0 5263650.0 4 REGION: 05 DISTANCE: 0.644

*=INTERIM TEST-NAME:		PP04FR	PPUT	RSP	SS04UR	TURB	ZNUT
		PO4	PHOSPHOR		SULPHATE		ZINC
SAMPLE		FIL.REAC	UNF.TOT.	RESIDUE	UNF.REAC		UNF.TOT.
DATE	HR	MG/L	MG/L	PARTIC.	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS P	AS P	MG/L	AS S04	FTU	AS ZN
820228	1110	32000	0.190	0.233	10.200	23.00	0.041
820430	1400	32020	0.3300	0.525	352.000	13.8	0.0240
820601	1340	32040	0.0470	0.080	8.530	11.9	0.008
820621	1435	32060	0.0700	0.120	30.000	11.8	0.010
820719	1150	32080	0.0410	0.083	10.900	10.2	0.012
820819	1705	32100	0.0215	0.045	16.500	8.6	0.007
820920	1515	32120	0.0670	0.100	12.5	22.00	0.006
821021	1730	32140	0.0480	0.098	28.100	18.0	0.014
821114	1355	32160	0.0310	0.080	32.700	17.62	0.012
821213	1145	32180	0.0260	0.083	19.800	12.62	0.008
MAXIMUM		0.3300	0.525	352.000	18.0	270.00	0.041
ARITH MEAN		0.087	0.145	56.526	13.0	49.19	0.014
GEOM MEAN		0.059	0.111	24.347	12.7	29.86	0.012
MINIMUM		0.0215	0.045	8.530	8.6	15.50	0.006
STD DEV (GEOM *)		0.098	0.143	111.168	3.1	78.08	0.011
# SAMP IN STATISTICS		10	10	9	9	10	10
% SAMP (EXCLUDED)							



B.O.W./ SITE: LARDER LAKE  
 SAMPLE POINT: PUBLIC BEACH, LARDER LAKE  
 STATION TYPE: LAKE

STATION ID: 18-7710-003-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BLANCHE RIVER

STORET CODE: 02  
 006  
 7230

LAT: 48 05 39.92 LONG: 079 42 53.15

U T M: 17 0595700.0 5327375.0 4

REGION: 05

DISTANCE: 82.074

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ASUT	BOD5	CLIDUR	COD	COND25	CUUT	DO
						BOD 5 DAY	CHLORIDE	CHEM. OX	CONDUCT.	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	ALK	ARSENIC	TOT.DEM.	UNF.REAC	DEMAND	25C	UNF.TOT.	OXYGEN
DATE	HR	DEPTH	SUB-PROJ	TOTAL	UNF.TOT.	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS AS	AS O	AS CL	AS O	AT 25 C	AS CU	AS O
820228	1600	32006	0101	43	0.036	0.2<T	5.20	6	185	0.024	5.00
820430	1855	32026	0101	4.6	0.002		0.85		1.2	0.002	9.00
820530	0240	32036	0101	41.1	0.025		4.55		140.0	0.020	9.00
820621	1235	32066	0101	35.7			4.30		142.0		5.00
820719	2050	32086	0101	38.6	0.028		4.70		144.0	0.025	9.00
820819	1820	32106	0101	38.2	0.038		4.45		145.0	0.021	6.00
820916	1900	32126	0101	37.9	0.022		4.33		145.0	0.022	9.00
821022	1045	32146	0101	39.0	0.032		4.40		146.0	0.025	9.00
821114	1205	32166	0101	39.5	0.029		4.82		148.0	0.026	10.00
821213	1550	21186	0101	40.9	0.001		4.85		156.0	0.007	
MAXIMUM		0.30		43	0.038	0.2	5.20	6	185	0.026	10.00
ARITH MEAN		0.30		36	0.024	0.2<A	4.24	6	135	0.019	7.89
GEOM MEAN				32	0.015		3.90		92	0.015	7.64
MINIMUM		0.30		4.6	0.001	0.2	0.85	6	1.2	0.002	5.00
STD DEV (GEOM *)				11	0.014		1.23		49	0.009	1.96
# SAMP IN STATISTICS		10		10	9	1	10	1	10	9	9
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	NAUR	NIUT	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR
		IRON			SODIUM	NICKEL	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N
SAMPLE		UNF.TOT.	STREAM	WATER	UNF.REAC	UNF.TOT.	TOTAL	FIL.REAC	FIL.REAC	FIL.REAC	TOTAL
DATE	HR	MG/L	COND.	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE		DEG.C	AS NA	AS NI	AS N	AS N	AS N	AS N	AS N
820228	1600	0.04	4	0.0	4.80		0.012	0.565	0.042	0.525	0.30
820430	1855	0.025	3	0.3		0.002<	0.024	0.020			0.20
820530	0240	0.200	8	21.0		0.035	0.004<T	0.425			0.39
820621	1235	0.070	8				0.052	0.405			0.44
820719	2050	0.105	8	21.0		0.046	0.080	0.400			0.50
820819	1820	0.030<T	8	18.0		0.040	0.044	0.410			0.39
820916	1900	0.040<T	8	14.0		0.047	0.030	0.380			0.32
821022	1045	0.065	8	7.0		0.045	0.004<T	0.460			0.04
821114	1205	0.145	8	1.0		0.038	0.006	0.485			0.290
821213	1550	0.045	4			0.005	0.002<T	0.590			0.360

B.O.W./ SITE: LARDER LAKE  
 SAMPLE POINT: PUBLIC BEACH, LARDER LAKE  
 STATION TYPE: LAKE

STATION ID: 18-7710-003-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BLANCHE RIVER

STORET CODE: 02  
 006  
 7230

LAT: 48 05 39.92 LONG: 079 42 53.15 U T M: 17 0595700.0 5327375.0 4 REGION: 05 DISTANCE: 82.074

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	NAUR	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N TOTAL	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	SODIUM UNF.REAC MG/L AS NA	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N
			MAXIMUM		21.0	4.80	0.047	0.080	0.590	0.042	0.525	0.50
			ARITH MEAN		10.3	4.80	0.037	0.026<A	0.414	0.042	0.525	0.32
			GEOM MEAN					0.014<A	0.331			0.28
			MINIMUM		0.0	4.80	0.005	0.002	0.020	0.042	0.525	0.04
			STD DEV (GEOM *)					0.026<A	0.156			0.13
			# SAMP IN STATISTICS	10	8	1	7	10	10	1	1	10
			% SAMP (EXCLUDED)				12					

*=INTERIM TEST-NAME:		PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSF RESIDUE FILTERED MG/L	RSP RESIDUE PARTIC. MG/L	SS04UR SULPHATE UNF-REAC MG/L AS S04	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
820228	1600	32006	0.003<	7.73	1<T	0.090	0.175	120	0.3	27.5	0.040
820430	1855	32026	0.003<	6.76		0.1650	0.127		7.600	0.4	0.005
820530	0240	32036	0.003<	7.51		0.0100	0.026		9.820	21.0	0.016
820621	1235	32066		7.65		0.0055	0.017		0.630<T	19.6	1.08
820719	2050	32086	0.003<	7.85		0.2100	0.250		2.140	21.6	1.88
820819	1820	32106	0.003<	7.83		0.0055	0.014		0.865<T	20.3	0.71
820916	1900	32126	0.003<	7.82		0.0050	0.012			21.0	0.68
821022	1045	32146	0.004	7.87		0.0100	0.280		0.690<T	20.5	0.88
821114	1205	32166	0.003<	7.90		0.0060	0.013		2.230	20.98	0.94
821213	1550	21186	0.003	7.95		0.0040	0.013		0.820<T	22.06	0.25
			MAXIMUM	7.95	1	0.2100	0.280	120	9.820	27.5	3.20
			ARITH MEAN	7.69	1<A	0.051	0.093	120	2.8 <A	19.5	1.16
			GEOM MEAN	7.68		0.016	0.043		1.5 <A	14.4	0.93
			MINIMUM	6.76	1	0.0040	0.012	120	0.3	0.4	0.25
			STD DEV (GEOM *)	0.35		0.077	0.107		3.5 <A	7.1	0.88
			# SAMP IN STATISTICS	2	10	1	10	10	9	10	9
			% SAMP (EXCLUDED)	77							

B.O.W./ SITE: BLANCHE RIVER  
 SAMPLE POINT: HIGHWAY 112, 8 MILES SOUTH OF SWASTIKA  
 STATION TYPE: RIVER

STATION ID: 18-7710-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BLANCHE RIVER

STORET CODE: 02  
 006  
 7230

LAT: 47 59 40.64 LONG: 080 01 05.40 U T M: 17 0573250.0 5315950.0 4 REGION: 05 DISTANCE: 85.776

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ALKT	BOD5	CLIDUR	COD	COND25	DO	FEUT
					ALK	BOD	CHLORIDE	CHEM. OX	CONDUCT.	DISOLVED	IRON
SAMPLE DATE	HOUR	SAMPLE	WATER	PROJECT	TOTAL	5 DAY	UNF. REAC	DEMAND	25C	OXYGEN	UNF. TOT.
YYMMDD	LMT	NUMBER	DEPTH	SUB-PROJ	MG/L	TOT. DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L
			M	CODE	AS CAC03	AS O	AS CL	AS O	AT 25 C	AS O	AS FE
820228	1700	32007	0.30	0101	53	0.2<T		6	185	7.00	0.18
820430	2030	32027	0.30	0101	25.7				90.0	9.00	1.280
820530	2005	32037	0.30	0101			7.05		129.0	9.00	
820621	1040	32067	0.30	0101	43.2		6.90		139.0	8.00	0.245
820718	2100	32087	0.30	0101	50.9		5.20		131.0	8.00	0.615
820819	1620	32107	0.30	0101	51.7				146.0	7.00	0.360
820916	2030	32127	0.30	0101	53.1		5.24		144.0	8.00	0.450
821022	0835	32147	0.30	0101			2.99		90.0	11.00	
821114	1105	32167	0.30	0101			4.93		121.0	13.00	
821213	1705	32187	0.30	0101	42.4		7.25		139.0		0.225
MAXIMUM		0.30	0.30		53.1	0.2	7.25	6	185	13.00	1.280
ARITH MEAN		0.30	0.30		46	0.2<A	5.65	6	131	8.89	0.48
GEOM MEAN					45		5.44		129	8.72	0.39
MINIMUM		0.30	0.30		25.7	0.2	2.99	6	90.0	7.00	0.18
STD DEV (GEOM *)					10		1.53		28	1.96	0.38
# SAMP IN STATISTICS		10	1		7	1	7	1	10	9	7
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NAUR	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PH	PP04FR	
				SODIUM	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N		P04	
SAMPLE DATE	HOUR	SAMPLE	WATER	UNF. REAC	FIL. REAC	FIL. REAC	FIL. REAC	FIL. REAC	FIL. TOT.		FIL. REAC	
YYMMDD	LMT	NUMBER	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	
			DEG. C	AS NA	AS N	AS N	AS N	AS N	AS N	PH	AS P	
820228	1700	32007	4	0.0	5.9	0.018	0.395	0.0040	0.390	0.42	7.77	0.102
820430	2030	32027	3	4.0		0.004<T	0.360			0.55	7.17	0.0070
820530	2005	32037	8	17.0		0.004<T	0.095			0.43	7.87	0.0120
820621	1040	32067	8			0.004<T	0.175			0.60	7.62	0.0200
820718	2100	32087	8	21.0		0.004<T	0.175			0.78	7.39	0.0075
820819	1620	32107	8	19.0		0.006	0.110			0.48	7.65	0.0150
820916	2030	32127	8	14.0		0.002<T	0.100			0.63	7.51	0.0380
821022	0835	32147	8	4.0		0.008	0.190			0.06	7.28	0.0020<T
821114	1105	32167	8	1.0		0.006	0.285			0.750	7.78	0.0130
821213	1705	32187	4			0.002<T	0.355			0.460	7.95	0.0275

B.O.W./ SITE: BLANCHE RIVER  
 SAMPLE POINT: HIGHWAY 112, 8 MILES SOUTH OF SWASTIKA  
 STATION TYPE: RIVER

STATION ID: 18-7710-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BLANCHE RIVER

STORET CODE: 02  
 006  
 7230

LAT: 47 59 40.64 LONG: 080 01 05.40

U T M: 17 0573250.0 5315950.0 4

REGION: 05

DISTANCE: 85.776

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	NAUR	NNHTR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PH	PP04FR
				SODIUM UNF.REAC MG/L AS NA	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N		P04 FIL.REAC MG/L AS P
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.	WATER TEMP DEG.C							
		MAXIMUM		21.0	5.9	0.018	0.395	0.0040	0.390	0.78	0.102
		ARITH MEAN		10.0	5.9	0.006<A	0.224	0.0040	0.390	0.52	0.024 <A
		GEOM MEAN				0.005<A	0.197			0.44	0.015 <A
		MINIMUM		0.0	5.9	0.002	0.095	0.0040	0.390	0.06	0.0020
		STD DEV (GEOM *)				0.005<A	0.115			0.20	0.029 <A
		# SAMP IN STATISTICS		8	1	10	10	1	1	10	10
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSF RESIDUE FILTERED MG/L	RSP RESIDUE PARTIC. MG/L	SS04UR SULPHATE UNF.REAC MG/L AS S04	TURB TURB'ITY FTU
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER				
820228	1700	32007	0.167	120.0	2.300	
820430	2030	32027	0.058		45.000	7.8
820530	2005	32037	0.034		4.690	3.80
820621	1040	32067	0.053		3.950	10.4
820718	2100	32087	0.500		6.620	4.9
820819	1620	32107	0.038		5.570	9.8
820916	2030	32127	0.057			7.9
821022	0835	32147	1.180		8.780	5.80
821114	1105	32167	0.040		5.940	4.40
821213	1705	32187	0.041		3.560	10.99
		MAXIMUM	1.180	120.0	45.000	10.99
		ARITH MEAN	0.217	120.0	9.601	8.6
		GEOM MEAN	0.090		6.179	8.3
		MINIMUM	0.034	120.0	2.300	4.9
		STD DEV (GEOM *)	0.368		13.408	2.2
		# SAMP IN STATISTICS	10	1	9	6
		% SAMP (EXCLUDED)				9

B.O.W./ SITE: MURDOCK CREEK  
SAMPLE POINT: HIGHWAY 112, 2.5 MILES EAST OF SWASTIKA  
STATION TYPE: RIVER

STATION ID: 18-7710-006-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: OTTAWA RIVER  
TERM STREAM: BLANCHE RIVER

STORET CODE: 02  
006  
7230

LAT: 48 06 12.06 LONG: 080 03 23.02 U T M: 17 0570250.0 5327999.0 4 REGION: 05 DISTANCE: 102.351

[illegible][illegible]

B.O.W./ SITE: MURDOCK CREEK

SAMPLE POINT: HIGHWAY 112, 2.5 MILES EAST OF SWASTIKA

STATION TYPE: RIVER

STATION ID: 18-7710-006-02

MAJOR BASIN: GREAT LAKES

MINOR BASIN: OTTAWA RIVER

TERM STREAM: BLANCHE RIVER

STORET CODE: 02

006

7230

LAT: 48 06 12.06 LONG: 080 03 23.02

U T M: 17 0570250.0 5327999.0 4

REGION: 05

DISTANCE: 102.351

\*=INTERIM TEST-NAME: TURB ZNUT  
ZINC  
UNF.TOT.  
MG/L  
AS ZN

SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	TURB'ITY FTU	
820430	2010	32029	23.00	
820530	2050	32039	12.60	0.025
820621	1110	32069	8.60	
820718	2025	32089	3.10	
820820	1635	32109	72.00	
820916	1715	32129	3.10	
821022	0915	32149	4.70	
821114	1135	32169	6.10	
821213	1650	32189	3.70	
		MAXIMUM	72.00	0.025
		ARITH MEAN	15.21	0.025
		GEOM MEAN	8.28	
		MINIMUM	3.10	0.025
		STD DEV (GEOM *)	22.24	
		# SAMP IN STATISTICS	9	1
		% SAMP (EXCLUDED)		

B.O.W./ SITE: BLANCHE RIVER  
 SAMPLE POINT: AT BRIDGE ON ROSEGROVE BEACH ROAD  
 STATION TYPE: RIVER

STATION ID: 18-7710-009-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BLANCHE RIVER

STORET CODE: 02  
 006  
 7230

LAT: 48 01 44.45 LONG: 080 04 10.15 U T M: 17 0569375.0 5319725.0 4 REGION: 05 DISTANCE: 96.719

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	CLIDUR	COND25	DO	FWSTRC	FWTEMP	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	DISOLVED OXYGEN MG/L AS O	STREAM COND.	WATER TEMP DEG.C	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N
820530	2020	32038	0101	5.90	123.0	6.00	8	22.0	0.056	0.325	0.58
820621	1055	32068	0101	7.40	142.0	7.00	8		0.004<T	0.325	0.63
820718	2045	32088	0101	18.40	216.0	9.00	5	23.0	0.036	0.890	1.00
820820	1635	32108	0101	14.00	197.0	8.00	5	19.0	0.006	0.125	0.49
820916	1700	32128	0101	17.90	233.0	6.00	5	14.0	0.008	0.400	0.58
821022		32148	0101	8.54	170.0	7.00	8	4.0	0.004<T	0.315	0.12
821114	1115	32168	0101	8.40	163.0	9.00	4	1.0	0.004<T	0.390	0.550
MAXIMUM		0.30		18.40	233.0	9.00		23.0	0.056	0.890	1.00
ARITH MEAN		0.30		11.51	177.7	7.43		13.8	0.017<A	0.396	0.56
GEOM MEAN				10.54	173.8	7.34		9.0	0.009<A	0.345	0.49
MINIMUM		0.30		5.90	123.0	6.00		1.0	0.004	0.125	0.12
STD DEV (GEOM *)				5.19	39.7	1.27		9.4	0.021<A	0.236	0.26
# SAMP IN STATISTICS		7		7	7	7		6	7	7	7
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		PH	PP04FR P04 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	RSP RESIDUE PARTIC.	TURB TURB'ITY FTU
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	MG/L AS P	MG/L AS P	MG/L	
820530	2020	32038	7.20	0.0380	0.078	27.900
820621	1055	32068	7.60	0.0390	0.100	1.060
820718	2045	32088	7.05	0.1350	0.220	39.500
820820	1635	32108	7.90	0.0760	0.104	16.400
820916	1700	32128	7.48		0.167	15.20
821022		32148	7.62	0.0120	0.825	12.400
821114	1115	32168	7.73	0.0170	0.043	11.300
MAXIMUM		7.90	0.1350	0.825	39.500	21.00
ARITH MEAN		7.51	0.0528	0.220	18.093	13.17
GEOM MEAN		7.51	0.0382	0.140	11.789	12.63
MINIMUM		7.05	0.0120	0.043	1.060	9.30
STD DEV (GEOM *)		0.30	0.0462	0.273	13.609	4.31
# SAMP IN STATISTICS		7	6	7	6	7
% SAMP (EXCLUDED)						

B.O.W./ SITE: AMIKOUGAMI CREEK  
 SAMPLE POINT: AT HIGHWAY NO. 66  
 STATION TYPE: RIVER

STATION ID: 18-7710-010-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BLANCHE RIVER

STORET CODE: 02  
 006  
 7230

LAT: 48 07 08.11 LONG: 080 05 21.71 U T M: 17 0567775.0 5329700.0 4 REGION: 05 DISTANCE: 104.605

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	COND25	CUUT	DO	FEUT	FWSTRC	FWTEMP
				ALK	ALUMINUM	CONDUCT.	COPPER	DISOLVED	IRON		
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	TOTAL MG/L	UNF.TOT. MG/L	25C UMHO/CM	UNF.TOT. MG/L	OXYGEN MG/L	UNF.TOT. MG/L	STREAM COND.	WATER TEMP
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS AL	AT 25 C	AS CU	AS O	AS FE		DEG.C
820228	1635	32009	9101	76	0.220	330	0.059	8.00	0.20	4	0.0
		MAXIMUM		76	0.220	330	0.059	8.00	0.20		0
		ARITH MEAN		76	0.220	330	0.059	8.00	0.20		0.0
		GEOM MEAN									
		MINIMUM		76	0.220	330	0.059	8.00	0.20		0.0
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1	1	1	1	1	1	1		1
		% SAMP (EXCLUDED)									

*INTERIM TEST-NAME:		NIUT	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PBUT	PH	PP04FR	PPUT	
		NICKEL	NH3-N	TOTAL	NO2-N	NO3-N	K'DAHL N	LEAD		P04	PHOSPHOR	
SAMPLE DATE	HOUR	UNF.TOT. MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.TOT. MG/L	UNF.TOT. MG/L		FIL.REAC MG/L	UNF.TOT. MG/L	
YYMMDD	LMT	AS NI	AS N	AS N	AS N	AS N	AS N	AS PB	PH	AS P	AS P	
820228	1635	32009	0.010	0.202	0.695	0.031	0.665	0.67	0.004	7.39	0.130	0.155
		MAXIMUM	0.010	0.202	0.695	0.031	0.665	0.67	0.004	7.39	0.130	0.155
		ARITH MEAN	0.010	0.202	0.695	0.031	0.665	0.67	0.004	7.39	0.130	0.155
		GEOM MEAN										
		MINIMUM	0.010	0.202	0.695	0.031	0.665	0.67	0.004	7.39	0.130	0.155
		STD DEV (GEOM *)										
		# SAMP IN STATISTICS	1	1	1	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)										

*INTERIM TEST-NAME:		RSF	RSP	SS04UR	TURB	ZNUT	
		RESIDUE	RESIDUE	SULPHATE		ZINC	
SAMPLE DATE	HOUR	FILTERED	PARTIC.	UNF.REAC	TURB'ITY	UNF.TOT.	
YYMMDD	LMT	MG/L	MG/L	MG/L	FTU	MG/L	
				AS S04		AS ZN	
820228	1635	32009	215	4.0	42.0	2.40	0.048
		MAXIMUM	215	4.0	42.0	2.40	0.048
		ARITH MEAN	215	4.0	42.0	2.40	0.048
		GEOM MEAN					
		MINIMUM	215	4.0	42.0	2.40	0.048
		STD DEV (GEOM *)					
		# SAMP IN STATISTICS	1	1	1	1	1
		% SAMP (EXCLUDED)					



B.O.W./ SITE: ALLIGATOR CREEK  
 SAMPLE POINT: UPSTREAM OF ENGLEHART LAGOON DISCHARGE  
 STATION TYPE: RIVER

STATION ID: 18-7710-011-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BLANCH RIVER

STORET CODE: 02  
 006  
 7230

LAT: 47 50 20.06 LONG: 079 53 17.29 U T M: 17 0583200.0 5298775.0 4 REGION: 05 DISTANCE: 50.209

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	CLIDUR	COND25	DO	FWSTRC	FWTEMP	NNHTFR	NNOTFR	NNTKUR
									NH3-N		K'DAHL N
									TOTAL		TOTAL
SAMPLE		SAMPLE	PROJECT	CHLORIDE	CONDUCT.	DISOLVED			FIL.REAC	FIL.REAC	FIL.TOT.
DATE	HOUR	DEPTH	SUB-PRJ	UNF.REAC	25C	OXYGEN	STREAM	WATER	MG/L	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CL	UMHO/CM	AS O	COND.	TEMP	AS N	AS N	AS N
820502	1900	32031	0101	6.20	195.0	9.00	3	8.0	0.014	0.330	1.10
820601	1620	32051	0101	34.20	454.0	7.00	8	17.0	0.006	0.195	0.90
820621	1710	32071	0101	22.40	459.0	8.00	8		0.006	0.040	0.65
820719	1730	32091	0101	3.85	329.0	8.00	8	22.0	0.012	0.060	0.80
820820	1915	32111	0101	4.80	420.0	9.00	8	19.0	0.018	0.095	0.42
820920	1755	32131	0101	8.80	306.0	9.00	8	9.0	0.006	0.130	0.98
821024	1950	32151	0101	4.84	284.0	9.00	8	4.0	0.008	0.080	0.78
821114	1615	32171	0101	3.93	248.0	14.00	4	1.0	0.010	0.480	1.170
821213		32191	0101	3.24	367.0		4		0.006<T	0.450	0.500
MAXIMUM		0.30		34.20	459.0	14.00		22.0	0.018	0.480	1.170
ARITH MEAN		0.30		10.25	340.2	9.12		11.4	0.010<A	0.207	0.81
GEOM MEAN				7.13	328.4	8.95		8.0	0.009<A	0.147	0.77
MINIMUM		0.30		3.24	195.0	7.00		1.0	0.006	0.040	0.42
STD DEV (GEOM *)				10.77	92.3	2.10		8.0	0.004<A	0.171	0.26
# SAMP IN STATISTICS		9		9	9	8		7	9	9	9
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		PH	PP04FR	PPUT	RSP	TURB	
			PO4	PHOSPHOR			
			FIL.REAC	UNF.TOT.	RESIDUE		
SAMPLE			MG/L	MG/L	PARTIC.	TURB'ITY	
DATE	HOUR	PH	AS P	AS P	MG/L	FTU	
YYMMDD	LMT						
820502	1900	32031	7.80	0.0640	0.340	553.000	280.00
820601	1620	32051	7.99	0.0350	0.230	394.000	320.00
820621	1710	32071	8.21	0.0250	0.078	51.400	57.00
820719	1730	32091	7.98	0.0225	0.095	54.500	48.00
820820	1915	32111	8.46	0.0195	0.045	27.900	18.30
820920	1755	32131	7.87	0.0430	0.127		75.00
821024	1950	32151	8.20	0.0260	0.098	33.900	45.00
821114	1615	32171	7.98	0.0590	0.167	71.700	98.00
821213		32191	8.47	0.0260	0.115	180.000	84.00
MAXIMUM		8.47	0.0640	0.340	553.000	320.00	
ARITH MEAN		8.11	0.0356	0.144	170.800	113.92	
GEOM MEAN		8.10	0.0326	0.123	96.388	79.34	
MINIMUM		7.80	0.0195	0.045	27.900	18.30	
STD DEV (GEOM *)		0.24	0.0163	0.091	197.392	108.51	
# SAMP IN STATISTICS		9	9	9	8	9	
% SAMP (EXCLUDED)							

B.O.W./ SITE: ALLIGATOR CREEK  
 SAMPLE POINT: 1ST.CONC.RD.D/S ENGLEHART LAGOON  
 STATION TYPE: RIVER

STATION ID: 18-7710-012-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BLANCH RIVER

STORET CODE: 02  
 006  
 7230

LAT: 47 50 36.35 LONG: 079 52 04.77

U T M: 17 0584700.0 5299300.0 4

REGION: 05

DISTANCE: 47.312

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	CLIDUR	COND25	DO	FWSTRC	FWTEMP	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNTKUR K'DAHL N TOTAL FIL.TOT.
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	DISOLVED OXYGEN MG/L AS O	STREAM COND.	WATER TEMP DEG.C	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N
820502 1930	32030	0.30	0101	8.20	214.0	8.00	3	8.0	0.012	0.405	0.90
820601 1600	32050	0.30	0101	34.60	508.0	6.00	8	17.0	0.014	1.200	1.35
820621 1700	32070	0.30	0101	31.60	476.0	9.00	8		0.004<T	0.195	0.83
820719 1715	32090	0.30	0101	30.40	422.0	6.00	8	22.0	0.006	0.840	1.08
820820 1855	32110	0.30	0101	47.10	617.0	9.00	8	19.0	0.018	2.250	1.30
820920 1750	32130	0.30	0101	25.60	365.0	9.00	8	8.0	0.006	0.220	1.05
821024 2005	32150	0.30	0101	12.70	313.0	9.00	8	4.0	0.010	0.220	1.0
821114 1600	32170	0.30	0101	11.50	285.0	9.00	4	1.0	0.004<T	0.665	1.200
821213 1455	32190	0.30	0101	21.40	473.0		4		0.004<T	0.070	0.500
MAXIMUM		0.30		47.10	617.0	9.00		22.0	0.018	2.250	1.35
ARITH MEAN		0.30		24.79	408.1	8.12		11.3	0.009<A	0.674	1.0
GEOM MEAN				21.61	389.7	8.01		7.8	0.007<A	0.420	1.0
MINIMUM		0.30		8.20	214.0	6.00		1.0	0.004	0.070	0.500
STD DEV (GEOM *)				12.66	125.7	1.36		8.0	0.005<A	0.695	0.3
# SAMP IN STATISTICS		9		9	9	8		7	9	9	9
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		PH	PP04FR P04 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	RSP RESIDUE PARTIC.	TURB TURB'ITY FTU
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	PH	MG/L AS P	MG/L AS P	MG/L	
820502 1930	32030	7.83	0.0760	0.430	449.000	365.00
820601 1600	32050	7.46	0.3700	0.735	349.000	255.00
820621 1700	32070	8.17	0.1250	0.205	31.000	41.00
820719 1715	32090	7.60	0.2150	0.323	58.200	64.00
820820 1855	32110	7.70	0.6550	0.760	36.400	23.00
820920 1750	32130	7.62	0.0670	0.188		80.00
821024 2005	32150	7.90	0.0480	1.000	13.200	40.00
821114 1600	32170	8.07	0.0610	0.222	189.000	130.00
821213 1455	32190	8.30		0.685	431.000	153.00
MAXIMUM		8.30	0.6550	1.000	449.000	365.00
ARITH MEAN		7.85	0.2021	0.505	194.600	127.89
GEOM MEAN		7.85	0.1329	0.425	101.274	89.20
MINIMUM		7.46	0.0480	0.188	13.200	23.00
STD DEV (GEOM *)		0.28	0.2129	0.297	188.140	114.93
# SAMP IN STATISTICS		9	8	9	8	9
% SAMP (EXCLUDED)						

B.O.W./ SITE: MATTAGAMI RIVER  
SAMPLE POINT: DOWNSTREAM FROM TIMMINS STP.  
STATION TYPE: RIVER FLOW GAUGE FED 04LA002

STATION ID: 19-0064-001-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
MINOR BASIN: JAMES BAY SHORE  
TERM STREAM: MOOSE RIVER

STORET CODE: 04  
001  
0230

LAT: 48 29 44.80 LONG: 081 21 38.59 U T M: 17 0473350.0 5371250.0 4 REGION: 05 DISTANCE: 425.660

[illegible][illegible]

B.O.W./ SITE: MATTAGAMI RIVER

STATION ID: 19-0064-001-02

SAMPLE POINT: DOWNSTREAM FROM TIMMINS STP.

STATION TYPE: RIVER FLOW GAUGE FED 04LA002

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 48 29 44.80 LONG: 081 21 38.59

U T M: 17 0473350.0 5371250.0 4 REGION: 05

DISTANCE: 425.660

\*=INTERIM TEST-NAME: ZNUT

ZINC

SAMPLE UNF.TOT.

DATE HOUR SAMPLE MG/L

YYMMDD LMT NUMBER AS ZN

820108 1010 23538 0.008

820202 1515 33310 0.017

820224 1510 33316 0.010

MAXIMUM 0.017

ARITH MEAN 0.012

GEOM MEAN 0.011

MINIMUM 0.008

STD DEV (GEOM \*) 0.005

# SAMP IN STATISTICS 3

% SAMP (EXCLUDED)

B.O.W./ SITE: MATTAGAMI RIVER  
 SAMPLE POINT: HIGHWAY 101 BRIDGE, TIMMINS  
 STATION TYPE: RIVER

STATION ID: 19-0064-002-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 48 28 32.04 LONG: 081 21 01.54 U T M: 17 0474100.0 5369000.0 4 REGION: 05 DISTANCE: 427.269

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CAUR	CCNAUR CYANIDE	CLIDUR	COND25	CUUT	
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	CALCIUM UNF.REAC MG/L AS CA	CCNAUR AVAIL UNF.REAC MG/L AS HCN	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU
820108	0950	23539	0.30	0101	46		0.001<	15.0		1.05	110	0.001
820202	1420	33309	0.30	0101	47		0.001<	15.0		1.20	113	0.004
820224	1450	33315	0.30	0101	44		0.001<	14.6		1.10	108	0.011
820505	1045	33324	0.30	0101	26.7	0.250	0.001<		0.005<T	1.20	75.6	0.002
820608	1035	33329	0.30	0101	35.2	0.370	0.001<		0.005<T	1.30	88.6	0.005
820708	1550	33376	0.30	0101	39.9	0.084	0.001<			0.75	97.9	0.029
820803	1020	33404	0.30	0101	36.6	0.140	0.001<		0.005<T	11.20	89.2	0.003
820830	0930	33442	0.30	0101	40.0	0.130	0.001<		0.005<T	1.00	95.4	0.003
821014	1000	33456	0.30	0101	37.7	0.160	0.004		0.001<W	1.35	96.8	0.004
821104		33461	0.30	0101	39.0	0.070	0.001<			1.10	93.7	0.007
821206	1000	33464	0.30	0101	42.7	0.120	0.001<		0.001<W	1.15	104.0	0.003
MAXIMUM		0.30			47	0.370	0.004	15.0	0.005	11.20	113	0.029
ARITH MEAN		0.30			40	0.165	0.004	14.9	0.004<A	2.04	97	0.007
GEOM MEAN					39	0.144		14.9	0.003<A	1.37	97	0.004
MINIMUM		0.30			26.7	0.070	0.004	14.6	0.001	0.75	75.6	0.001
STD DEV (GEOM *)					6	0.099		0.2	0.002<A	3.04	11	0.008
# SAMP IN STATISTICS		11			11	8	1	3	6	11	11	11
% SAMP (EXCLUDED)							90					

*INTERIM TEST-NAME:		DO	FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR
SAMPLE DATE	HOUR	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	HARDNESS TOTAL MG/L AS CAC03	MAGNESIM FIL.REAC MG/L AS MG	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N
820108	0950	23539	12.40	0.13	1.0	51	3.30	0.001<	0.016	0.080	0.001
820202	1420	33309	12.80	0.14	1.0	52	3.45	0.009	0.010	0.090	0.003
820224	1450	33315	10.40	0.12	1.0	50	3.25	0.001<	0.006	0.100	0.002
820505	1045	33324	13.50	0.285	6.5			0.002<	0.006<T	0.195	
820608	1035	33329	9.40	0.275	18.0			0.001<	0.046	0.040	
820708	1550	33376	8.50	0.225	21.0			0.001<	0.026	0.020	
820803	1020	33404	8.10	0.235	19.0			0.001<	0.028	0.020	
820830	0930	33442	9.60	0.200	14.0			0.001<	0.016	0.025	
821014	1000	33456		0.245	10.0			0.001	0.006	0.065	
821104		33461	13.00	0.185	7.0			0.001<	0.004<T	0.065	
821206	1000	33464	17.00	0.220	2.0			0.001<	0.004	0.115	

B.O.W./ SITE: MATTAGAMI RIVER  
 SAMPLE POINT: HIGHWAY 101 BRIDGE, TIMMINS  
 STATION TYPE: RIVER

STATION ID: 19-0064-002-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 48 28 32.04 LONG: 081 21 01.54 U T M: 17 0474100.0 5369000.0 4 REGION: 05 DISTANCE: 427.269

*=INTERIM TEST-NAME:		DO	FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR NH3-N	NNOTFR	NNO2FR
		DISOLVED OXYGEN	IRON UNF.TOT.		WATER TEMP	HARDNESS TOTAL	MAGNESIM FIL.REAC	NICKEL UNF.TOT.	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	MG/L AS O	MG/L AS FE	STREAM COND.	DEG.C	MG/L AS MG	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N
		MAXIMUM	17.00	0.285		21.0	52	3.45	0.009	0.046	0.003
		ARITH MEAN	11.47	0.21		9.1	51	3.33	0.005	0.015<A	0.002
		GEOM MEAN	11.18	0.20		5.3	51	3.33		0.011<A	0.002
		MINIMUM	8.10	0.12		1.0	50	3.25	0.001	0.004	0.001
		STD DEV (GEOM *)	2.76	0.06		7.8	1	0.10		0.013<A	0.001
		# SAMP IN STATISTICS	10	11		11	3	3	2	11	3
		% SAMP (EXCLUDED)							81		

*=INTERIM TEST-NAME:		NNO3FR	NNTKUR K'DAHL N	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	SS04UR	TURB
		NO3-N FIL.REAC	TOTAL FIL.TOT.	LEAD UNF.TOT.		PHENOLS UNF-REAC	PO4 FIL.REAC	PHOSPHOR UNF.TOT.	RESIDUE PARTIC.	SULPHATE UNF.REAC	TURB'ITY FTU
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	MG/L AS N	MG/L AS N	MG/L AS PB	PH	UG/L AS P	MG/L AS P	MG/L	MG/L AS SO4	
820108	0950	23539	0.080	0.33	0.003<		1 <T	0.002	0.001<T	0.4	1.08
820202	1420	33309	0.085	0.35	0.003<		1 <T	0.002	0.175	1.6	1.40
820224	1450	33315	0.100		0.003<		1	0.014		1.2	0.91
820505	1045	33324		0.50	0.003<	7.07	2.0	0.0020<T	0.028	13.100	4.40
820608	1035	33329		0.53	0.003<	7.54	0.2<W	0.0020<T	0.015	3.070	2.30
820708	1550	33376		0.36	0.026	7.58	0.2<T	0.0010<T	0.018	2.980	2.20
820803	1020	33404		0.44	0.059	7.49	0.4<T	0.0025	0.009	2.210	2.80
820830	0930	33442		0.35	0.025	7.82	0.2<T	0.0005<T	0.009	2.670	2.40
821014	1000	33456		0.43	0.010	7.99	0.8	0.0025	0.013		1.97
821104		33461		0.360	0.004	7.67	0.8	0.0020<T	0.012	1.880	1.85
821206	1000	33464		0.330	0.007	7.57	0.8	0.0010<T	0.010	3.190	1.30
		MAXIMUM	0.100	0.53	0.059	7.99	2.0	0.014	0.175	13.100	4.40
		ARITH MEAN	0.088	0.40	0.022	7.59	1 <A	0.003 <A	0.029<A	3.2	2.06
		GEOM MEAN	0.088	0.39		7.59	1 <A	0.002 <A	0.013<A	2.2	1.87
		MINIMUM	0.080	0.33	0.004	7.07	0.2	0.0005	0.001	0.4	0.91
		STD DEV (GEOM *)	0.010	0.07		0.27	1 <A	0.004 <A	0.052<A	3.6	0.98
		# SAMP IN STATISTICS	3	10	6	8	11	11	10	10	11
		% SAMP (EXCLUDED)			45						

MOE - SAMPLE INFORMATION SYSTEM R4.5

1982 WATER QUALITY DATA REGION 5

DATE OF REPORT: 15 JAN 87 PAGE: 344

B.O.W./ SITE: MATTAGAMI RIVER  
 SAMPLE POINT: HIGHWAY 101 BRIDGE, TIMMINS  
 STATION TYPE: RIVER

STATION ID: 19-0064-002-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 48 28 32.04 LONG: 081 21 01.54

U T M: 17 0474100.0 5369000.0 4

REGION: 05

DISTANCE: 427.269

\*=INTERIM TEST-NAME: ZNUT  
 ZINC  
 SAMPLE UNF.TOT.  
 DATE HOUR SAMPLE MG/L  
 YYMMDD LMT NUMBER AS ZN

820108	0950	23539	0.001<
820202	1420	33309	0.005
820224	1450	33315	0.010
820505	1045	33324	0.003
820608	1035	33329	0.010
820708	1550	33376	0.006
820803	1020	33404	0.013
820830	0930	33442	0.010
821014	1000	33456	0.008
821104		33461	0.001
821206	1000	33464	0.012

MAXIMUM 0.013  
 ARITH MEAN 0.008  
 GEOM MEAN  
 MINIMUM 0.001

STD DEV (GEOM \*)

# SAMP IN STATISTICS 10

% SAMP (EXCLUDED) 9

B.O.W./ SITE: PORCUPINE RIVER  
 SAMPLE POINT: HIGHWAY 101 WHITNEY TOWNSHIP  
 STATION TYPE: RIVER

STATION ID: 19-0064-003-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 48 29 41.49 LONG: 081 10 32.23

U T M: 17 0487025.0 5371100.0 4

REGION: 05

DISTANCE: 431.936

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CCNAUR CYANIDE	CLIDUR	COND25	CRUT	CUUT
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	AVAIL UNF.REAC MG/L AS HCN	CHLORIDE UNF.REAC MG/L AS CL	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU
820107 1545	23540	0.30	0101	139	0.100			35.50	795		0.017
820202 1340	33308	0.30	0101	152	0.140			39.00	880	0.007	0.023
820224 1350	33314	0.30	0101	158	0.249			38.00	890	0.005	0.026
820505 1025	33323	0.30	0101	41.1		0.002	0.005<T		193.0		0.010
820608 1010	33328	0.30	0101	105.7		0.005	0.005<T		663.0		0.019
820708 1515	33375	0.30	0101	109.8		0.001<	0.005<T		674.0		0.067
820803 1020	33405	0.30	0101	108.7		0.017	0.005<T		644.0		0.023
820830 1045	33443	0.30	0101	122.1		0.016	0.005<T		678.0		0.029
821014 1040	33455	0.30	0101	115.2		0.008	0.001<W		713.0		0.024
821104	33460	0.30	0101	100.0		0.008			612.0		0.030
821201 1500	33463	0.30	0101	104.3		0.009	0.003<T		619.0		0.033
MAXIMUM		0.30		158	0.249	0.017	0.005	39.00	890	0.007	0.067
ARITH MEAN		0.30		114	0.163	0.009	0.004<A	37.50	669	0.006	0.027
GEOM MEAN				109	0.152		0.004<A	37.47	631	0.006	0.025
MINIMUM		0.30		41.1	0.100	0.002	0.001	35.50	193.0	0.005	0.010
STD DEV (GEOM *)				31	0.077		0.002<A	1.80	186	0.001	0.015
# SAMP IN STATISTICS		11		11	3	7	7	3	11	2	11
% SAMP (EXCLUDED)						12					

*INTERIM TEST-NAME:		DO	FEUT	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+N03N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N
820107 1545	23540	12.00	0.03		1.0	0.023	0.066	0.025	0.002	0.025	0.57
820202 1340	33308	11.00	0.23		1.0	0.042	0.074	0.250	0.095	0.155	0.83
820224 1350	33314	8.30	0.33		2.0	0.025	0.012	0.395	0.017	0.380	0.58
820505 1025	33323	11.30	0.305		6.0	0.003		0.355			0.53
820608 1010	33328	11.00	0.615		18.0	0.018		0.240			0.85
820708 1515	33375	8.70	2.385	8	20.0	0.035		0.140			1.15
820803 1020	33405	8.30	0.145	8	18.5	0.016		0.005<W			0.66
820830 1045	33443	8.70	0.100	8	13.0	0.016		0.045			0.63
821014 1040	33455		0.290		9.0	0.018		0.085			0.55
821104	33460	14.00	0.205		7.0	0.019		0.215			0.590
821201 1500	33463	13.20	0.175		2.0	0.022		0.405			0.580

(CONTD)



STORET CODE: 04  
001  
0230

[illegible]

B.O.W./ SITE: PORCUPINE RIVER

SAMPLE POINT: HIGHWAY 101 BRIDGE, HOYLE

STATION TYPE: RIVER FLOW GAUGE FED 02MD004

STATION ID: 19-0064-004-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 48 32 59.49 LONG: 081 03 15.12

U T M: 17 0496000.0 5377200.0 4

REGION: 05

DISTANCE: 404.739

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	CCNAUR CYANIDE	COND25	CUUT	DO	FEUT	
SAMPLE DATE	HOUR	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	AVAIL UNF.REAC MG/L AS HCN	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE
820107	1520	23541	0.30	0101	50	6.100			1010	0.039	6.40	2.65
820202	1305	33307	0.30	0101	49	0.350			1090	0.017	3.00	0.61
820224	1330	33313	0.30	0101	69	0.477			1050	0.022	1.40	0.81
820505	1005	33322	0.30	0101	23.8		0.001	0.005<T	133.0	0.008	10.00	1.050
820608	0950	33327	0.30	0101	40.7		0.002	0.005<T	243.0	0.007	7.45	0.875
820708	1455	33374	0.30	0101	57.6		0.001<	0.005<T	563.0	0.024	5.00	0.455
820803	1200	33406	0.30	0101	86.6		0.005	0.005<T	634.0	0.018	6.40	0.435
820830	1115	33444	0.30	0101	95.4		0.004	0.005<T	1020.0	0.011	8.10	0.150
821014	1030	33454	0.30	0101	48.8		0.003	0.001<W	412.0	0.005		0.775
821104		33459	0.30	0101	52.7		0.003	0.001<W	448.0	0.018	12.30	0.550
821201	1445	33462	0.30	0101	64.8		0.003	0.004<T	486.0	0.021	9.40	0.550
MAXIMUM		0.30			95.4	6.100	0.005	0.005	1090	0.039	12.30	2.65
ARITH MEAN		0.30			58	2.309	0.003	0.004<A	644	0.017	6.94	0.81
GEOM MEAN					55	1.006		0.003<A	543	0.015	6.00	0.65
MINIMUM		0.30			23.8	0.350	0.001	0.001	133.0	0.005	1.40	0.150
STD DEV (GEOM *)					20	3.284		0.002<A	344	0.010	3.27	0.66
# SAMP IN STATISTICS		11			11	3	7	8	11	11	10	11
% SAMP (EXCLUDED)							12					

*=INTERIM TEST-NAME:		FWFLOW	FWSTRC	FWTEMP	NIUT	NNHTFR NH3-N	NNOTFR	NN02FR	NN03FR	NNTKUR K'DAHL N	PBUT
SAMPLE DATE	HOUR	STREAM FLOW M3 /S	STREAM COND.	WATER TEMP DEG.C	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	TOTAL FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB
820107	1520	23541	1.100	0.5	0.024	0.098	0.850	0.061	0.790	1.15	0.014
820202	1305	33307	1.010	0.5	0.011	0.140	0.160	0.076	0.085	1.00	0.003<
820224	1330	33313	0.700	1.0	0.010	0.400	0.210	0.013	0.195		0.003<
820505	1005	33322	55.700	7.0	0.002		0.295			0.68	0.003<
820608	0950	33327	2.750	18.0	0.060		0.090			1.40	0.003
820708	1455	33374	0.790	8	0.010		0.040			0.78	0.003<
820803	1200	33406	1.380	8	0.004		0.035			0.83	0.057
820830	1115	33444	1.200	8	0.005		0.005<T			0.54	0.025
821014	1030	33454	11.600	9.0	0.016		0.215			0.94	0.003
821104		33459	6.250	7.0	0.007		0.190			0.710	0.014
821201	1445	33462	3.110	1.0	0.010		0.260			0.730	0.018

(CONTD)



MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
MINOR BASIN: JAMES BAY SHORE  
TERM STREAM: MOOSE RIVER

STORET CODE: 04  
001  
0230

[illegible][illegible]

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
MINOR BASIN: JAMES BAY SHORE  
TERM STREAM: MOOSE RIVER

STORET CODE: 04  
001  
0230

[illegible]

B.O.W./ SITE: KAPUSKASING RIVER

SAMPLE POINT: UPSTREAM FROM SPRUCE FALLS PAPER COMPANY

STATION TYPE: RIVER FLOW GAUGE FED 04LF001

STATION ID: 19-0064-009-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 49 24 22.91

LONG: 082 26 00.80

U T M: 17 0396000.0 5473400.0 4

REGION: 05

DISTANCE: 300.939

*INTERIM TEST-NAME:		NN02FR	NN03FR	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PP04FR	PPUT	RSF	RSP	
		NO2-N FIL.REAC MG/L AS N	NO3-N FIL.REAC MG/L AS N	FIL.TOT. MG/L AS N	LEAD UNF.TOT. MG/L AS PB		PHENOLS UNF-REAC UG/L PHENOL	P04 FIL.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	
820106	1350	23547	0.002	0.075	0.38	0.003<	7.72		0.001	0.001<T	111	0.7
820201	1120	33301	0.002	0.105	0.38	0.003<	8.16	1<T	0.001	0.018	114	0.7
820225	1155	33318	0.006	0.125	0.33	0.003<	7.65	1	0.003	0.005	117	1.2
MAXIMUM		0.006	0.125	0.38		8.16	1	0.003	0.018	117	1.2	
ARITH MEAN		0.003	0.102	0.36		7.84	1<A	0.002	0.008<A	114	0.9	
GEOM MEAN		0.003	0.099	0.36		7.84	1<A	0.001	0.004<A	114	0.8	
MINIMUM		0.002	0.075	0.33		7.65	1	0.001	0.001	111	0.7	
STD DEV (GEOM *)		0.002	0.025	0.03		0.28	0<A	0.001	0.009<A	3	0.3	
# SAMP IN STATISTICS		3	3	3		3	2	3	3	3	3	
% SAMP (EXCLUDED)												

*INTERIM TEST-NAME:		SS04UR SULPHATE UNF.REAC MG/L AS SO4	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
820106	1350	23547	10.0	2.50
820201	1120	33301	9.0	1.30
820225	1155	33318	9.0	2.70
MAXIMUM		10.0	2.70	0.013
ARITH MEAN		9.3	2.17	0.006
GEOM MEAN		9.3	2.06	0.004
MINIMUM		9.0	1.30	0.002
STD DEV (GEOM *)		0.6	0.76	0.006
# SAMP IN STATISTICS		3	3	3
% SAMP (EXCLUDED)				

B.O.W./ SITE: MATTAGAMI RIVER

SAMPLE POINT: UPSTR.OF ABITIBI PAPER SMOOTH ROCK FALLS

STATION TYPE: RIVER

STATION ID: 19-0064-011-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 49 16 34.72 LONG: 081 38 18.90

U T M: 17 0453550.0 5458150.0 4

REGION: 05

DISTANCE: 317.837

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASLT	BOD5	CAUR	CLIDUR	COD	COND25	
							BOD					
					ALK	ALUMINUM	5 DAY	CALCIUM	CHLORIDE	CHEM. OX	CONDUCT.	
					TOTAL	UNF.TOT.	TOT.DEM.	UNF.REAC	UNF.REAC	DEMAND	25C	
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	
					AS CAC03	AS AL	AS AS	AS CA	AS CL	AS O	AT 25 C	
SAMPLE		SAMPLE	PROJECT									
DATE	HR	DEPTH	SUB-PROJ									
YYMMDD	LMT	NUMBER	CODE									
820106	1710	23544	0101	45			0.001<	0.2 <T	15.8	1.40	4	115
820201	1405	33304	0101	51			0.001<	1.0	16.2	1.30	16	123
820225	1505	33321	0101	51			0.001<	0.4	16.8	1.20	8	121
820623	1600	33336	0101	45.4	0.120		1.01			1.35	34	110.0
820630	1640	33357	0101	47.1	0.150		0.40<T			1.45	30	112.0
820707	1445	33369	0101	45.5	0.180		4.40			1.50	44	110.0
820714	1320	33380	0101	46.4	0.180		0.77			1.45	24	111.0
820721	1435	33389	0101	39.7	0.640		0.86			1.65	40	121.0
820727	1345	33400	0101	36.9	0.290		0.78			1.00	60	93.4
820804	1400	33411	0101	40.8	0.180		0.78			1.05	48	99.0
820817	1000	33428	0101	45.9	0.045		1.33			1.00	50	112.0
820824	1300	33438	0101	46.7	0.280		0.51			1.15	40	111.0
820831	1400	33450	0101	47.5	0.190		0.57			1.20	36	117.0
MAXIMUM		0.30		51	0.640		4.40	16.8	1.65	60	123	
ARITH MEAN		0.30		45	0.225		1.0 <A	16.3	1.28	33	112	
GEOM MEAN				45	0.185		0.7 <A	16.3	1.27	27	112	
MINIMUM		0.30		36.9	0.045		0.2	15.8	1.00	4	93.4	
STD DEV (GEOM *)				4	0.162		1.1 <A	0.5	0.20	17	8	
# SAMP IN STATISTICS		13		13	10		13	3	13	13	13	
% SAMP (EXCLUDED)												

*=INTERIM TEST-NAME:		CUUT	DO	FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NAUR	NIUT	NNHTFR	
											NH3-N	
											TOTAL	
		COPPER	DISOLVED	IRON		WATER	HARDNESS	MAGNESIM	SODIUM	NICKEL	FIL.REAC	
		UNF.TOT.	OXYGEN	UNF.TOT.		TEMP	TOTAL	FIL.REAC	UNF.REAC	UNF.TOT.	MG/L	
		MG/L	MG/L	MG/L	STREAM	DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	
		AS CU	AS O	AS FE	COND.		AS CAC03	AS MG	AS NA	AS NI	AS N	
SAMPLE												
DATE	HR											
YYMMDD	LMT	NUMBER										
820106	1710	23544	0.002	14.00	0.18		2.5	54	3.50	1.6	0.001<	0.056
820201	1405	33304	0.003	14.40	0.55		1.0	56	3.70	1.6	0.001	0.012
820225	1505	33321	0.030	16.00	0.22		0.0	57	3.70	1.8	0.001	0.016
820623	1600	33336	0.009	8.30	0.405	1 0	16.5				0.001<	0.006
820630	1640	33357	0.010	8.90	0.355	9	19.0				0.002<	0.026
820707	1445	33369	0.030	9.70	0.255	9	18.0				0.001<	0.098
820714	1320	33380	0.034	8.80	0.320	8	18.0				0.001	0.084
820721	1435	33389	0.047	8.50	1.555	8	18.0				0.013	0.006
820727	1345	33400	0.026	7.50	0.555	9	20.5				0.002	0.064
820804	1400	33411	0.260	6.60	0.685	8	20.0				0.001<	0.004
820817	1000	33428	0.009	8.50	0.479	8	19.0				0.001<	0.006



B.O.W./ SITE: MATTAGAMI RIVER

SAMPLE POINT: UPSTR.OF ABITIBI PAPER SMOOTH ROCK FALLS

STATION TYPE: RIVER

STATION ID: 19-0064-011-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 49 16 34.72

LONG: 081 38 18.90

U T M: 17 0453550.0 5458150.0 4

REGION: 05

DISTANCE: 317.837

*=INTERIM TEST-NAME:		CUUT	DO	FEUT	FWSTRC	FWTEMP	HARDT	MGUR	NAUR	NIUT	NNHTFR
		COPPER	DISOLVED	IRON			HARDNESS	MAGNESIM	SODIUM	NICKEL	TOTAL
SAMPLE		UNF.TOT.	OXYGEN	UNF.TOT.		WATER	TOTAL	FIL.REAC	UNF.REAC	UNF.TOT.	FIL.REAC
DATE	HOUR	MG/L	MG/L	MG/L	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS CU	AS O	AS FE	COND.	DEG.C	AS CAC03	AS MG	AS NA	AS NI	AS N
820824	1300	33438	0.006	7.50	0.475	9	19.5			0.001	0.004<T
820831	1400	33450	0.009	7.90	0.470	8	16.5			0.001	0.026
MAXIMUM		0.260	16.00	1.555		20.5	57	3.70	1.8	0.013	0.098
ARITH MEAN		0.037	9.74	0.50		14.5	56	3.63	1.7	0.003	0.031<A
GEOM MEAN		0.015	9.37	0.43			56	3.63	1.7		0.017<A
MINIMUM		0.002	6.60	0.18		0.0	54	3.50	1.6	0.001	0.004
STD DEV (GEOM *)		0.069	3.01	0.35			2	0.12	0.1		0.033<A
# SAMP IN STATISTICS		13	13	13		13	3	3	3	7	13
% SAMP (EXCLUDED)										46	

*=INTERIM TEST-NAME:		NNOTFR	NNO2FR	NNO3FR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSF	
		NO2+NO3N	NO2-N	NO3-N	K'DAHL N	LEAD		PHENOLS	PO4	PHOSPHOR		
SAMPLE		FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	
DATE	HOUR	MG/L	MG/L	MG/L	MG/L	MG/L		UG/L	MG/L	MG/L	FILTERED	
YYMMDD	LMT	AS N	AS N	AS N	AS N	AS PB	PH	PHENOL	AS P	AS P	MG/L	
820106	1710	23544	0.105	0.005	0.100	0.35	0.003<	7.44	1 <T	0.015	0.025	75
820201	1405	33304	0.165	0.025	0.140	0.40	0.004	7.39	1 <T	0.011	0.035	80
820225	1505	33321	0.140	0.015	0.025		0.003<	7.34	1	0.012		79
820623	1600	33336	0.265			0.68	0.008	7.85	1.0	0.0310	0.046	
820630	1640	33357	0.165			0.50	0.110	7.79	0.6<T	0.0005<W	0.033	
820707	1445	33369	0.005<T			0.72	0.150	7.42	0.6<T	0.0090	0.048	
820714	1320	33380	0.040			0.54	0.200	7.95	1.2	0.0150	0.029	
820721	1435	33389	0.135			0.60	0.120	7.63	0.4<T	0.0045	0.040	
820727	1345	33400	0.080			1.02	0.000	7.33	1.2	0.0120	0.035	
820804	1400	33411	0.940			0.63	0.007	7.50	2.8	0.0145	0.030	
820817	1000	33428	0.005			0.70	0.035	7.86	1.2	0.0150	0.026	
820824	1300	33438	0.135			0.59	0.080	7.38	1.6	0.0150	0.031	
820831	1400	33450	0.100			0.59	0.044	7.42	0.8	0.0110	0.030	
MAXIMUM		0.940	0.025	0.140	1.02	0.200	7.95	2.8	0.0310	0.048	80	
ARITH MEAN		0.175<A	0.015	0.088	0.61	0.073	7.56	1 <A	0.013 <A	0.034	78	
GEOM MEAN		0.086<A	0.012	0.070	0.59		7.56	1 <A	0.010 <A	0.033	78	
MINIMUM		0.005	0.005	0.025	0.35	0.004	7.33	0.4	0.0005	0.025	75	
STD DEV (GEOM *)		0.240<A	0.010	0.058	0.17		0.22	1 <A	0.007 <A	0.007	3	
# SAMP IN STATISTICS		13	3	3	12	11	13	13	13	12	3	
% SAMP (EXCLUDED)						15						

( CONT D )



B.O.W./ SITE: MATTAGAMI RIVER

STATION ID: 19-0064-011-02

SAMPLE POINT: UPSTR.OF ABITIBI PAPER SMOOTH ROCK FALLS

STATION TYPE: RIVER

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

STORET CODE: 04

MINOR BASIN: JAMES BAY SHORE

001

TERM STREAM: MOOSE RIVER

0230

LAT: 49 16 34.72 LONG: 081 38 18.90

U T M: 17 0453550.0 5458150.0 4

REGION: 05

DISTANCE: 317.837

*INTERIM TEST-NAME:		RSP	SS04UR	TURB	ZNUT
			SULPHATE		ZINC
SAMPLE		RESIDUE	UNF.REAC		UNF.TOT.
DATE HOUR	SAMPLE	PARTIC.	MG/L	TURB'ITY	MG/L
YYMMDD LMT	NUMBER	MG/L	AS S04	FTU	AS ZN
820106 1710	23544	0.9	11.5	1.60	0.007
820201 1405	33304	4.8	10.5	4.40	0.016
820225 1505	33321	1.5	11.0	4.30	0.010
820623 1600	33336	1.640	7.1	3.40	0.008
820630 1640	33357	1.230	7.2	3.80	0.025
820707 1445	33369	1.860	6.7	2.90	0.012
820714 1320	33380	1.200	7.5	4.80	0.048
820721 1435	33389	8.210	16.4	14.40	2.000
820727 1345	33400	3.300	6.6	7.10	0.025
820804 1400	33411	2.560	6.7	7.10	0.036
820817 1000	33428	2.850	5.8	2.90	0.004
820824 1300	33438	2.940	6.4	4.90	0.014
820831 1400	33450	3.750	8.1	4.70	0.015
MAXIMUM		8.210	16.4	14.40	2.000
ARITH MEAN		2.8	8.6	5.10	0.171
GEOM MEAN		2.3	8.2	4.44	0.021
MINIMUM		0.9	5.8	1.60	0.004
STD DEV (GEOM *)		2.0	3.0	3.19	0.550
# SAMP IN STATISTICS		13	13	13	13
% SAMP (EXCLUDED)					

B.O.W./ SITE: GROUNDHOG RIVER  
 SAMPLE POINT: HIGHWAY 11 BRIDGE IN FAUQUIER  
 STATION TYPE: RIVER FLOW GAUGE FED 04LD001

STATION ID: 19-0064-016-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 49 18 48.26 LONG: 082 02 31.84

UTM: 17 0424250.0 5462600.0 4

REGION: 05

DISTANCE: 300.134

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CLIDUR	COD	COND25
				ALK	ALUMINUM	ARSENIC	BOD	CALCIUM	CHLORIDE	CHEM. OX	CONDUCT.
				TOTAL	UNF.TOT.	UNF.TOT.	5 DAY	UNF.REAC	UNF.REAC	DEMAND	25C
				MG/L	MG/L	MG/L	TOT.DEM.	MG/L	MG/L	MG/L	UMHO/CM
				AS CAC03	AS AL	AS AS	AS O	AS CA	AS CL	AS O	AT 25 C
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH	PROJECT SUB-PROJ							
YYMMDD	LMT		M	CODE							
820106	1640	23545	0.30	0101	65			21.0	1.15		144
820201	1310	33303	0.30	0101	63		0.001<	19.6	0.60		138
820225	1430	33320	0.30	0101	63		0.001<	20.0	1.60		141
820506	1510	33325	0.30	0101	40.1	1.500			0.80		95.2
820525	1415	33326	0.30	0101	44.9	0.720			0.25		105.0
820614	1410	33330	0.30	0101	49.8	0.260			0.50		109.0
820707	1000	33367	0.30	0101	58.0	0.190	0.43<T		0.50	40	126.0
820804	1500	33413	0.30	0101	55.1	0.220			0.60		118.0
820831	1515	33451	0.30	0101	63.0	0.170			0.50		133.0
821013	1635	33457	0.30	0101	51.2	0.160			1.30		116.0
821103	1500	33458	0.30	0101	44.6	0.150			0.77		102.0
MAXIMUM		0.30			65	1.500	0.43	21.0	1.60	40	144
ARITH MEAN		0.30			54	0.421	0.43<A	20.2	0.78	40	121
GEOM MEAN					54	0.288		20.2	0.69		120
MINIMUM		0.30			40.1	0.150	0.43	19.6	0.25	40	95.2
STD DEV (GEOM *)					9	0.475		0.7	0.41		17
# SAMP IN STATISTICS		11			11	8	1	3	11	1	11
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		CUUT	DO	FEUT	FWFLOW	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR
											NH3-N
											TOTAL
											FIL.REAC
											MG/L
											AS N
SAMPLE DATE	HOUR	SAMPLE NUMBER	COPPER UNF.TOT.	DISOLVED OXYGEN	IRON UNF.TOT.	STREAM FLOW	WATER TEMP	HARDNESS TOTAL	MAGNESIM FIL.REAC	NICKEL UNF.TOT.	
YYMMDD	LMT		MG/L AS CU	MG/L AS O	MG/L AS FE	M3 /S	DEG.C	MG/L AS CAC03	MG/L AS MG	MG/L AS NI	
820106	1640	23545	0.002	14.00	0.14	37.800	2.5	71	4.60	0.001<	0.018
820201	1310	33303	0.002	14.60	0.14	47.000	0.0	67	4.40	0.001<	0.012
820225	1430	33320	0.004	14.60	0.16	39.500	1.0	68	4.45	0.001	0.004
820506	1510	33325	0.004	12.50	1.240	826.000	7.0			0.002<	0.008
820525	1415	33326	0.004		0.520	197.000				0.002	0.036
820614	1410	33330	0.007	9.90	0.395	84.800	18.0			0.001<	0.004
820707	1000	33367	0.033	8.20		40.600	8	20.5		0.001<	0.020
820804	1500	33413	0.012	8.80	0.340	62.500	8	19.5		0.002	0.002
820831	1515	33451	0.003	9.00	0.330	25.400	8	15.0		0.001<	0.006
821013	1635	33457	0.002		0.360	190.000				0.001	0.010
821103	1500	33458	0.002		0.290	286.000				0.001<	0.026

B.O.W./ SITE: GROUNDHOG RIVER  
 SAMPLE POINT: HIGHWAY 11 BRIDGE IN FAUQUIER  
 STATION TYPE: RIVER FLOW GAUGE FED 04LD001

STATION ID: 19-0064-016-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 49 18 48.26 LONG: 082 02 31.84 U T M: 17 0424250.0 5462600.0 4 REGION: 05 DISTANCE: 300.134

*=INTERIM TEST-NAME:		CUUT	DO	FEUT	FWFLOW	FWSTRC	FWTEMP	HARDT	MGUR	NIUT	NNHTFR
		COPPER	DISOLVED	IRON	STREAM			HARDNESS	MAGNESIM	NICKEL	NH3-N
SAMPLE		UNF.TOT.	OXYGEN	UNF.TOT.	FLOW		WATER	TOTAL	FIL.REAC	UNF.TOT.	TOTAL
DATE	HR	MG/L	MG/L	MG/L	M3	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS CU	AS O	AS FE	/S	COND.	DEG.C	AS CAC03	AS MG	AS NI	AS N

	MAXIMUM	0.033	14.60	1.240	826.000		20.5	71	4.60	0.002	0.036
	ARITH MEAN	0.007	11.45	0.39	166.964		10.4	69	4.48	0.001	0.013
	GEOM MEAN	0.004	11.16	0.31	90.638			69	4.48		0.010
	MINIMUM	0.002	8.20	0.14	25.400		0.0	67	4.40	0.001	0.002
	STD DEV (GEOM *)	0.009	2.76	0.32	234.718			2	0.10		0.011
# SAMP IN STATISTICS		11	8	10	11		8	3	3	4	11
% SAMP (EXCLUDED)										63	

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSP	SS04UR	TURB
		NO2+NO3N	K'DAHL N	LEAD		PHENOLS	PO4	PHOSPHOR		SULPHATE	
SAMPLE		FIL.REAC	FIL.TOT.	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	UNF.REAC	TURB'ITY
DATE	HR	MG/L	MG/L	MG/L	PH	UG/L	MG/L	MG/L	PARTIC.	MG/L	FTU
YYMMDD	LMT	AS N	AS N	AS PB		PHENOL	AS P	AS P	MG/L	AS S04	

820106	1640	23545	0.38	0.003<		1 <T	0.001	0.001<T	0.6		1.21
820201	1310	33303	0.35	0.003<		1 <T	0.001	0.013	0.4		1.63
820225	1430	33320	0.30	0.003<		1	0.002	0.010	1.3		2.10
820506	1510	33325		0.003<	7.17	2.6	0.0030	0.050	35.200		26.00
820525	1415	33326		0.003<	7.45	0.2<W	0.0010<T	0.038	12.000		8.80
820614	1410	33330		0.003<	7.78	1.6	0.0025<T	0.033	8.840		6.70
820707	1000	33367	0.010<T	0.46	0.062	8.06	0.2<W	0.0010<T	0.020	4.7	5.10
820804	1500	33413		0.036	7.84	2.6	0.0020	0.018	4.090		2.10
820831	1515	33451		0.008	7.80	1.4	0.0030	0.016	3.840		2.40
821013	1635	33457		0.005	7.90	0.6<T	0.0010<W	0.034	3.570		2.00
821103	1500	33458		0.003<	7.76	0.6<T	0.0010<T	0.014	3.760		1.80

	MAXIMUM	0.010	0.46	0.062	8.06	2.6	0.0030	0.050	35.200	4.7	26.00
	ARITH MEAN	0.010<A	0.37	0.028	7.72	1 <A	0.002 <A	0.022<A	7.4	4.7	5.44
	GEOM MEAN		0.37		7.72	1 <A	0.002 <A	0.016<A	3.5		3.35
	MINIMUM	0.010	0.30	0.005	7.17	0.2	0.001	0.001	0.4	4.7	1.21
	STD DEV (GEOM *)		0.07		0.28	1 <A	0.001 <A	0.014<A	10.4		7.24
# SAMP IN STATISTICS		1	4		8	11	11	11	10	1	11
% SAMP (EXCLUDED)				63							

B.O.W./ SITE: GROUNDHOG RIVER  
SAMPLE POINT: HIGHWAY 11 BRIDGE IN FAUQUIER  
STATION TYPE: RIVER FLOW GAUGE FED 04LD001

STATION ID: 19-0064-016-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
MINOR BASIN: JAMES BAY SHORE  
TERM STREAM: MOOSE RIVER

STORET CODE: 04  
001  
0230

LAT: 49 18 48.26 LONG: 082 02 31.84

U T M: 17 0424250.0 5462600.0 4

REGION: 05

DISTANCE: 300.134

\*=INTERIM TEST-NAME: ZNUT  
ZINC  
SAMPLE UNF.TOT.  
DATE HOUR SAMPLE MG/L  
YYMMDD LMT NUMBER AS ZN

820106	1640	23545	0.003
820201	1310	33303	0.003
820225	1430	33320	0.011
820506	1510	33325	0.008
820525	1415	33326	0.005
820614	1410	33330	0.005
820707	1000	33367	0.010
820804	1500	33413	0.015
820831	1515	33451	0.003
821013	1635	33457	0.003
821103	1500	33458	0.002

MAXIMUM 0.015  
ARITH MEAN 0.006  
GEOM MEAN 0.005  
MINIMUM 0.002  
STD DEV (GEOM \*) 0.004

# SAMP IN STATISTICS 11  
% SAMP (EXCLUDED)

B.O.W./ SITE: ABITIBI RIVER  
 SAMPLE POINT: AT HIGHWAY NO 574  
 STATION TYPE: RIVER

STATION ID: 19-0064-023-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 49 03 32.25 LONG: 080 51 47.24 U T M: 17 0510000.0 5433800.0 4 REGION: 05 DISTANCE: 283.720

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CAUR	CLIDUR	COD	COND25	DO	FWSTRC
					BOD 5 DAY	CALCIUM UNF.REAC	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN	
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL	TOT.DEM.	MG/L	MG/L	MG/L	UMHO/CM	MG/L	STREAM COND.
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CA	AS CL	AS O	AT 25 C	AS O	
820201	1010	33305	0101	57	2.8	18.2		36	142	9.00	
820224	1035	33311	0101	61	2.8	19.4		43	157	11.10	
820701	1100	33361	0101		0.58		0.70	36	109.0	8.10	8
820708	1045	33370	0101		1.05		0.75	34	112.0	8.00	8
820715	1115	33382	0101		3.67		0.90	46	128.0	6.10	8
820722	1055	33391	0101		2.24		2.05	66	168.0	3.60	8
820726	1445	33397	0101		1.80		1.00	54	126.0	4.90	8
820803	1440	33409	0101		1.20		0.80	34	119.0	5.80	8
820809	1440	33419	0101		1.16		0.80	34	119.0	5.00	8
820816	1335	33428	0101		1.23		1.00	42	118.0	4.80	8
820823	1330	33435	0101		0.39<T		0.85	34	123.0	8.10	8
820830	1415	33447	0101		0.90		0.80	26	123.0	7.90	8
MAXIMUM		0.30		61	3.67	19.4	2.05	66	168.0	11.10	
ARITH MEAN		0.30		59	1.7 <A	18.8	0.96	40	129	6.87	
GEOM MEAN				59	1.4 <A	18.8	0.92	39	128	6.55	
MINIMUM		0.30		57	0.39	18.2	0.70	26	109.0	3.60	
STD DEV (GEOM *)				3	1.0 <A	0.8	0.39	11	18	2.17	
# SAMP IN STATISTICS		12		2	12	2	10	12	12	12	
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		FWTEMP	NAUR	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PH	PPO4FR	PPUT	
				NH3-N				K'DAHL N		P04	PHOSPHOR	
SAMPLE DATE	HOUR	WATER TEMP	SODIUM UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.		FIL.REAC	UNF.TOT.	
YYMMDD	LMT	DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH	MG/L	MG/L	
			AS NA	AS N	AS N	AS N	AS N	AS N		AS P	AS P	
820201	1010	33305	1.0	3.7	0.008	0.065	0.025	0.040	0.55	7.08	0.028	0.073
820224	1035	33311	1.0	8.0	0.008	0.080	0.024	0.055		7.13	0.026	
820701	1100	33361	14.0			0.065			0.50	7.66		0.063
820708	1045	33370	17.5			0.245			0.45	7.70		0.065
820715	1115	33382	16.0			0.065			0.53	7.38		0.048
820722	1055	33391	20.0			0.030			0.95	7.80		0.108
820726	1445	33397	20.0			0.055			0.95	7.21		0.070
820803	1440	33409	19.0			0.115			0.50	7.43		0.305
820809	1440	33419	19.5			0.095			0.48	7.31		0.050
820816	1335	33428	19.0			0.030			0.71	7.22		0.052
820823	1330	33435	17.0			0.220			0.43	7.70		0.327
820830	1415	33447	16.0			0.170			0.45	7.91		0.630

B.O.W./ SITE: ABITIBI RIVER  
 SAMPLE POINT: AT HIGHWAY NO 574  
 STATION TYPE: RIVER

STATION ID: 19-0064-023-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 49 03 32.25 LONG: 080 51 47.24 U T M: 17 0510000.0 5433800.0 4 REGION: 05 DISTANCE: 283.720

*=INTERIM TEST-NAME:		FWTEMP	NAUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PH	PP04FR	PPUT
			SODIUM UNF.REAC	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	NO3-N FIL.REAC	TOTAL FIL.TOT.		P04 FIL.REAC	PHOSPHOR UNF.TOT.
SAMPLE DATE	HR	WATER TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L
YYMMDD	LMT	DEG.C	AS NA	AS N	AS N	AS N	AS N	AS N	PH	AS P	AS P
MAXIMUM		20.0	8.0	0.008	0.245	0.025	0.055	0.95	7.91	0.028	0.630
ARITH MEAN		15.0	5.8	0.008	0.103	0.024	0.047	0.59	7.46	0.027	0.163
GEOM MEAN		11.0	5.4	0.008	0.083	0.024	0.047	0.57	7.46	0.027	0.105
MINIMUM		1.0	3.7	0.008	0.030	0.024	0.040	0.43	7.08	0.026	0.048
STD DEV (GEOM *)		6.8	3.0	0.000	0.072	0.001	0.011	0.19	0.28	0.001	0.185
# SAMP IN STATISTICS		12	2	2	12	2	2	11	12	2	11
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:			RSF	RSP	SS04UR SULPHATE UNF.REAC	TURB
SAMPLE DATE	HR	SAMPLE NUMBER	RESIDUE FILTERED	RESIDUE PARTIC.	MG/L	TURB'ITY FTU
YYMMDD	LMT	NUMBER	MG/L	MG/L	AS S04	
820201	1010	33305	92	15.7	15.0	
820224	1035	33311	102	18.3	15.5	
820701	1100	33361		9.740	6.3	41.00
820708	1045	33370		6.980	6.3	38.00
820715	1115	33382		22.500	9.3	37.00
820722	1055	33391		33.800	8.0	75.00
820726	1445	33397		19.200	8.8	42.00
820803	1440	33409		9.940	7.5	39.00
820809	1440	33419		11.900	9.0	37.00
820816	1335	33428		13.800	8.8	36.00
820823	1330	33435		13.500	6.8	42.00
820830	1415	33447		13.100	6.9	41.00
MAXIMUM			102	33.800	15.5	75.00
ARITH MEAN			97	15.7	9.0	42.80
GEOM MEAN			97	14.4	8.6	41.79
MINIMUM			92	6.980	6.3	36.00
STD DEV (GEOM *)			7	7.2	3.1	11.53
# SAMP IN STATISTICS			2	12	12	10
% SAMP (EXCLUDED)						

B.O.W./ SITE: KAPUSKASING RIVER

SAMPLE POINT: AT FRED FLATT RD.DNSTR.FROM KAPUSKASING

STATION TYPE: RIVER

STATION ID: 19-0064-024-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 49 34 16.94 LONG: 082 19 29.89

U T M: 17 0404200.0 5491600.0 4

REGION: 05

DISTANCE: 278.087

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CAUR	CLIDUR	COD	COND25	DO	FWSTRC
					BOD						
				ALK	5 DAY	CALCIUM	CHLORIDE	CHEM. OX	CONDUCT.	DISOLVED	
				TOTAL	TOT.DEM.	UNF.REAC	UNF.REAC	DEMAND	25C	OXYGEN	
SAMPLE	DATE	DATE	DEPTH	PROJECT	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	STREAM
DATE	HOUR	SAMPLE	DEPTH	SUB-PROJ	AS CAC03	AS O	AS CA	AS CL	AT 25 C	AS O	COND.
YYMMDD	LMT	NUMBER	M	CODE							
820106	1425	23548	0.30	0101	74	0.4	26.0	60	183	14.90	
820201	1210	33302	0.30	0101	77	5.0	30.0	230	221	13.60	
820225	1345	33319	0.30	0101	89	22.4	35.0	219	253	10.50	
820629	1030	33342	0.30	0101		1.70		86	147.0	5.10	8
820706	1220	33365	0.30	0101		2.73		126	158.0	4.80	8
820714	1540	33377	0.30	0101		4.73		112	145.0	4.70	8
820719	1305	33386	0.30	0101		2.66		84	119.0	7.60	8
820729	1200	33402	0.30	0101		3.40		80	133.0	6.00	8
820806	1130	33415	0.30	0101		5.40		100	148.0	2.90	8
820819	1205	33431	0.30	0101		14.10		120	161.0	1.30	8
820826	1130	33440	0.30	0101		17.40		118	163.0	3.00	8
820902	1115	33453	0.30	0101		18.00		190	170.0	3.00	8
MAXIMUM		0.30			89	22.4	35.0	230	253	14.90	
ARITH MEAN		0.30			80	8.2	30.3	127	167	6.45	
GEOM MEAN					80	4.9	30.1	117	163	5.19	
MINIMUM		0.30			74	0.4	26.0	60	119.0	1.30	
STD DEV (GEOM *)					8	7.6	4.5	56	37	4.38	
# SAMP IN STATISTICS		12			3	12	3	12	12	12	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NAUR	NNHTFR	NNOTFR	NNO2FR	NNO3FR	NNTKUR	PH	PP04FR	PPUT	
				NH3-N				K'DAHL N				
			SODIUM	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL		P04	PHOSPHOR	
			UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.		FIL.REAC	UNF.TOT.	
SAMPLE	DATE	DATE	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L	
DATE	HOUR	SAMPLE	DEG.C	AS NA	AS N	AS N	AS N	AS N	PH	AS P	AS P	
YYMMDD	LMT	NUMBER										
820106	1425	23548	2.5	2.3	0.004	0.015	0.003	0.010	0.50	7.06	0.005	0.010
820201	1210	33302	0.0	3.2	0.002<T	0.060	0.012	0.050	0.70	7.12	0.002	0.130
820225	1345	33319	0.5	4.2	0.004	0.025	0.012	0.015		6.68	0.002	
820629	1030	33342	17.0			0.060			0.53	7.59		0.030
820706	1220	33365	19.5			0.015			0.53	7.05		0.030
820714	1540	33377	16.0			0.010<T			0.65	6.87		0.030
820719	1305	33386	17.5			0.010<T			0.95	7.31		0.050
820729	1200	33402	21.0			0.010<T			0.73	7.23		0.013
820806	1130	33415	20.0			0.010			0.58	6.99		0.020
820819	1205	33431	20.5			0.005<T			0.78	6.88		0.034
820826	1130	33440	18.0			0.010<T			0.63	6.84		0.066
820902	1115	33453	15.5			0.015			0.70	7.15		0.030

B.O.W./ SITE: KAPUSKASING RIVER

SAMPLE POINT: AT FRED FLATT RD.DNSTR.FROM KAPUSKASING

STATION TYPE: RIVER

STATION ID: 19-0064-024-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAM'S BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 49 34 16.94 LONG: 082 19 29.89

U T M: 17 0404200.0 5491600.0 4

REGION: 05

DISTANCE: 278.087

*=INTERIM TEST-NAME:		FWTEMP	NAUR	NNHTFR NH3-N	NNOTFR	NN02FR	NN03FR	NNTKUR K'DAHL N	PH	PP04FR	PPUT	
			SODIUM UNF.REAC	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	NO3-N FIL.REAC	TOTAL FIL.TOT.		PO4 FIL.REAC	PHOSPHOR UNF.TOT.	
SAMPLE DATE	HOUR YYMMDD LMT	WATER TEMP DEG.C	MG/L AS NA	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N		MG/L AS P	MG/L AS P	
		MAXIMUM	21.0	4.2	0.004	0.060	0.012	0.050	0.95	7.59	0.005	0.130
		ARITH MEAN	14.0	3.2	0.003<A	0.020<A	0.009	0.025	0.66	7.06	0.003	0.040
		GEOM MEAN		3.1	0.003<A	0.015<A	0.008	0.020	0.65	7.06	0.003	0.032
		MINIMUM	0.0	2.3	0.002	0.005	0.003	0.010	0.50	6.68	0.002	0.010
		STD DEV (GEOM *)		1.0	0.001<A	0.019<A	0.005	0.022	0.13	0.24	0.002	0.034
# SAMP IN STATISTICS		12	3	3	12	3	3	11	12	3	11	
% SAMP (EXCLUDED)												

*=INTERIM TEST-NAME:		RSF	RSP	SS04UR SULPHATE UNF.REAC	TURB
SAMPLE DATE	HOUR YYMMDD LMT	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	MG/L AS S04	TURB'ITY FTU
820106	1425	23548	122	4.0	15.5
820201	1210	33302	144	9.7	25.5
820225	1345	33319	164	18.3	34.5
820629	1030	33342		5.130	7.8
820706	1220	33365		2.050	9.5
820714	1540	33377		11.200	7.7
820719	1305	33386		8.210	5.4
820729	1200	33402		4.370	4.2
820806	1130	33415		10.300	7.0
820819	1205	33431		6.260	8.1
820826	1130	33440		7.140	8.1
820902	1115	33453		9.550	12.7
		MAXIMUM	164	18.3	34.5
		ARITH MEAN	143	8.0	12.2
		GEOM MEAN	142	7.0	10.0
		MINIMUM	122	2.050	4.2
		STD DEV (GEOM *)	21	4.3	9.1
# SAMP IN STATISTICS		3	12	12	9
% SAMP (EXCLUDED)					



B.O.W./ SITE: ABITIBI RIVER  
SAMPLE POINT: 36MI.DNSTR.ABITIBI IROQUOIS FALLS MILL  
STATION TYPE: RIVER

STATION ID: 19-0064-030-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
MINOR BASIN: JAMES BAY SHORE  
TERM STREAM: MOOSE RIVER

STORET CODE: 04  
001  
0230

LAT: 49 11 12.36 LONG: 080 57 19.44 U T M: 17 0503250.0 5448000.0 4 REGION: 05 DISTANCE: 266.500

*INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CAUR	CLIDUR	COD	COND25	DO	FWSTRC
SAMPLE			SAMPLE	PROJECT	ALK	BOD	CALCIUM	CHLORIDE	CHEM. OX	CONDUCT.	DISSOLVED	
DATE	HOUR		DEPTH	SUB-PROJ	TOTAL	5 DAY	UNF.REAC	UNF.REAC	DEMAND	25C	OXYGEN	
YYMMDD	LMT	SAMPLE	M	CODE	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	STREAM
		NUMBER			AS CACO3	AS O	AS CA	AS CL	AS O	AT 25 C	AS O	COND.
820107	1205	23543	0.30	0101	54	1.6	18.0		35	136	12.40	
820701	1150	33362	0.30	0101		0.94		0.85	50	141.0	8.60	8
820708	1135	33371	0.30	0101		1.48		0.80	48	168.0	8.40	8
820715	1215	33383	0.30	0101		0.90		1.85	66	185.0	9.40	8
820722	1135	33392	0.30	0101		1.11		1.10	78	183.0	8.00	8
820726	1530	33398	0.30	0101		1.01		0.85	84	164.0	8.70	8
820803	1520	33410	0.30	0101		5.10		0.80	42	124.0	4.70	8
820809	1545	33420	0.30	0101		1.20		0.85	34	120.0	4.80	8
820816	1440	33429	0.30	0101		1.18		0.85	40	119.0	4.30	8
820823	1425	33436	0.30	0101		0.37<T		0.90	32	122.0	7.80	8
820830	1505	33448	0.30	0101		0.85		0.80	32	119.0	8.10	8

MAXIMUM	0.30	54	5.10	18.0	1.85	84	185.0	12.40
ARITH MEAN	0.30	54	1.4 <A	18.0	0.96	49	144	7.75
GEOM MEAN			1.2 <A		0.93	46	142	7.39
MINIMUM	0.30	54	0.37	18.0	0.80	32	119.0	4.30
EV (GEOM *)			1.3 <A		0.32	19	26	2.38
STATISTICS	11	1	11	1	10	11	11	11

# SAMP IN STATISTICS  
% SAMP (EXCLUDED)

*INTERIM		TEST-NAME:	FWTEMP	NAUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PH	PP04FR	PPUT
SAMPLE				SODIUM	TOTAL				TOTAL		P04	PHOSPHOR
DATE	HOUR		WATER	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.		FIL.REAC	UNF.TOT.
YYMMDD	LMT	SAMPLE NUMBER	TEMP DEG.C	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L
				AS NA	AS N	AS N	AS N	AS N	AS N	PH	AS P	AS P
820107	1205	23543	0.5	4.1	0.020	0.060	0.024	0.035	0.45	8.21	0.026	0.048
820701	1150	33362	15.5			0.160			0.85	7.78		0.143
820708	1135	33371	18.5			0.205			0.63	7.94		0.065
820715	1215	33383	15.5			0.070			0.88	7.95		0.058
820722	1135	33392	20.5			0.120			1.04	7.79		0.110
820726	1530	33398	20.5			0.050			1.20	7.83		0.048
820803	1520	33410	19.0			0.045			0.55	7.01		0.240
820809	1545	33420	19.5			0.075			0.48	7.08		0.051
820816	1440	33429	19.0			0.035			0.63	7.27		0.048
820823	1425	33436	17.0			0.260			0.43	7.61		0.065
820830	1505	33448	17.0			0.180			0.43	7.88		0.058

B.O.W./ SITE: ABITIBI RIVER  
 SAMPLE POINT: 36MI.DNSTR.ABITIBI IROQUOIS FALLS MILL  
 STATION TYPE: RIVER

STATION ID: 19-0064-030-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 49 11 12.36 LONG: 080 57 19.44 U T M: 17 0503250.0 5448000.0 4 REGION: 05 DISTANCE: 266.500

*=INTERIM TEST-NAME:		FWTEMP	NAUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNO3FR	NNTKUR K'DAHL N	PH	PP04FR	PPUT		
			SODIUM UNF.REAC	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	NO3-N FIL.REAC	TOTAL FIL.TOT.		P04 FIL.REAC	PHOSPHOR UNF.TOT.		
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	WATER TEMP DEG.C	MG/L AS NA	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	PH	MG/L AS P	MG/L AS P		
			MAXIMUM	20.5	4.1	0.020	0.260	0.024	0.035	1.20	8.21	0.026	0.240
			ARITH MEAN	16.6	4.1	0.020	0.115	0.024	0.035	0.69	7.67	0.026	0.085
			GEOM MEAN	13.1			0.093			0.65	7.66		0.073
			MINIMUM	0.5	4.1	0.020	0.035	0.024	0.035	0.43	7.01	0.026	0.048
			STD DEV (GEOM *)	5.6			0.076			0.27	0.39		0.060
			# SAMP IN STATISTICS	11	1	1	11	1	1	11	11	1	11
			% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		RSF	RSP	SS04UR SULPHATE	TURB	
		RESIDUE FILTERED	RESIDUE PARTIC.	UNF.REAC MG/L	TURB'ITY FTU	
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	MG/L	MG/L AS S04		
820107	1205	23543	88	16.6	15.0	
820701	1150	33362		77.400	5.8	
820708	1135	33371		11.100	5.0	
820715	1215	33383		19.300	3.5	
820722	1135	33392		20.300	2.8	
820726	1530	33398		15.000	2.1	
820803	1520	33410		22.700	8.7	
820809	1545	33420		11.300	9.7	
820816	1440	33429		13.300	9.1	
820823	1425	33436		14.400	6.8	
820830	1505	33448		15.000	6.9	
			MAXIMUM	88	77.400	15.0
			ARITH MEAN	88	21.5	6.9
			GEOM MEAN		17.9	5.9
			MINIMUM	88	11.100	2.1
			STD DEV (GEOM *)		18.9	3.7
			# SAMP IN STATISTICS	1	11	11
			% SAMP (EXCLUDED)			10

B.O.W./ SITE: ABITIBI RIVER

SAMPLE POINT: UPSTR.OF ABITIBI MILL DISCHARGE

STATION TYPE: RIVER

STATION ID: 19-0064-031-02

MAJOR BASIN: ARTHUR DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 48 45 42.12 LONG: 080 40 03.56

U T M: 17 0524425.0 5400800.0 4

REGION: 05

DISTANCE: 373.840

*INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWSTRC	FWTEMP	NNOTFR
				BOD 5 DAY TOT.DEM.	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN			
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	MG/L AS O	MG/L AS CL	UMHO/CM AT 25 C	MG/L AS O	STREAM COND.	WATER TEMP DEG.C	NO2+NO3N FIL.REAC MG/L AS N
820701	1345	33363	0.30	0101	0.25<T	0.75	34	111.0	9.20	8	0.195
820708	1250	33372	0.30	0101	0.84	0.70	38	104.0	9.90	8	0.185
820715	1330	33384	0.30	0101	0.72	0.80	28	117.0	8.30	8	0.190
820722	1340	33393	0.30	0101	0.83	1.20	50	124.0	7.20	8	0.160
820726	1215	33395	0.30	0101	0.52	0.80	36	112.0	7.60	8	0.190
820803	1300	33407	0.30	0101	0.51	0.80	44	116.0	7.30	8	0.150
820809	1215	33418	0.30	0101	0.61	0.80	24	111.0	7.40	8	0.180
820816	1145	33427	0.30	0101	0.38<T	0.85	32	112.0	7.50	8	0.135
820823	1140	33433	0.30	0101	0.29<T	0.80	28	115.0	8.70	8	0.145
820830	1230	33445	0.30	0101	0.57	0.75	26	121.0	10.00	8	0.120

MAXIMUM		0.30	0.84	1.20	50	124.0	10.00	20.0	0.195
ARITH MEAN		0.30	0.55<A	0.82	34	114.3	8.31	17.5	0.165
GEOM MEAN			0.51<A	0.82	33	114.2	8.25	17.4	0.163
MINIMUM		0.30	0.25	0.70	24	104.0	7.20	14.5	0.120
STD DEV (GEOM *)			0.21<A	0.14	8	5.7	1.08	2.0	0.027
# SAMP IN STATISTICS		10	10	10	10	10	10	10	10
% SAMP (EXCLUDED)									

*INTERIM TEST-NAME:		NNTKUR	PH	PPUT	RSP	SS04UR	TURB
		K'DAHL N TOTAL FIL.TOT.		PHOSPHOR UNF.TOT.	RESIDUE PARTIC.	SULPHATE UNF.REAC	TURB'ITY FTU
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	MG/L AS N	MG/L AS P	MG/L	MG/L AS S04	
820701	1345	33363	0.45	7.82	0.068	8.570	6.3
820708	1250	33372	0.38	7.84	0.063	4.660	6.3
820715	1330	33384	0.45	7.84	0.058	4.140	6.4
820722	1340	33393	0.75	7.46	0.095	11.200	6.1
820726	1215	33395	0.73	7.67	0.050	8.010	6.0
820803	1300	33407	0.48	8.04	0.045	6.720	6.8
820809	1215	33418	0.43	7.57	0.054	3.900	7.1
820816	1145	33427	0.54	7.67	0.052	5.600	6.8
820823	1140	33433	0.40	7.67	0.212	11.700	6.6
820830	1230	33445	0.42	7.76	0.159	7.960	7.1

B.O.W./ SITE: ABITIBI RIVER  
SAMPLE POINT: UPSTR.OF ABITIBI MILL DISCHARGE  
STATION TYPE: RIVER

STATION ID: 19-0064-031-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
MINOR BASIN: JAMES BAY SHORE  
TERM STREAM: MOOSE RIVER

STORET CODE: 04  
001  
0230

LAT: 48 45 42.12 LONG: 080 40 03.56

U T M: 17 0524425.0 5400800.0 4

REGION: 05

DISTANCE: 373.840

*=INTERIM TEST-NAME:		NNTKUR	PH	PPUT	RSP	SS04UR	TURB
		K'DAHL N					
		TOTAL		PHOSPHOR		SULPHATE	
		FIL.TOT.		UNF.TOT.	RESIDUE	UNF.REAC	
SAMPLE		MG/L		MG/L	PARTIC.	MG/L	TURB'ITY
DATE	HR	AS N	PH	AS P	MG/L	AS S04	FTU
YYMMDD	LMT						
MAXIMUM		0.75	8.04	0.212	11.700	7.1	50.00
ARITH MEAN		0.50	7.73	0.086	7.246	6.5	43.40
GEOM MEAN		0.49	7.73	0.074	6.772	6.5	43.27
MINIMUM		0.38	7.46	0.045	3.900	6.0	38.00
STD DEV (GEOM *)		0.13	0.16	0.056	2.766	0.4	3.63
# SAMP IN STATISTICS		10	10	10	10	10	10
% SAMP (EXCLUDED)							

B.O.W./ SITE: ABITIBI RIVER

STATION ID: 19-0064-032-02

SAMPLE POINT: UPSTR.FROM ABITIBI IROQUOIS FALLS DAM

STATION TYPE: RIVER FLOW GAUGE FED 04MC001

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 48 45 25.98 LONG: 080 40 22.04

U T M: 17 0524050.0 5400300.0 4

REGION: 05

DISTANCE: 373.519

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWFLOW	FWSTRC	FWTEMP
				BOD 5 DAY TOT.DEM.	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN	STREAM FLOW		WATER TEMP
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	MG/L AS O	MG/L AS CL	MG/L AS O	UMHO/CM AT 25 C	MG/L AS O	M3 /S	STREAM COND.	DEG.C
YYMMDD	LMT	NUMBER	CODE								
820701	1400	33364	0101	0.30<T	0.75	32	110.0	8.50	53.000	8	14.5
820708	1300	33373	0101	0.95	0.85	36	116.0	9.00	53.100	8	17.5
820715	1400	33385	0101	0.62	0.75	28	117.0	9.10	100.000	8	20.0
820722	1350	33394	0101	0.97	1.30	28	132.0	6.80	108.000	8	19.5
820726	1230	33396	0101	0.36<T	0.70	34	110.0	7.10	116.000	8	19.5
820803	1315	33408	0101	0.26<T	0.75	36	115.0	7.10	165.000	8	19.0
820809	1200	33417	0101	0.61	0.75	30	110.0	6.90	107.000	8	19.5
820816	1130	33426	0101	0.41<T	0.90	38	111.0	7.00	104.000	8	18.0
820823	1125	33434	0101	0.55	0.80	30	115.0	7.60	52.700	8	18.0
820830	1215	33446	0101	0.66	0.75	26	117.0	8.60	52.800	8	14.5
MAXIMUM		0.30		0.97	1.30	38	132.0	9.10	165.000		20.0
ARITH MEAN		0.30		0.57<A	0.83	32	115.3	7.77	91.160		18.0
GEOM MEAN				0.52<A	0.82	32	115.1	7.72	84.248		17.9
MINIMUM		0.30		0.26	0.70	26	110.0	6.80	52.700		14.5
STD DEV (GEOM *)				0.25<A	0.18	4	6.6	0.93	37.568		2.0
# SAMP IN STATISTICS		10		10	10	10	10	10	10		10
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB
		NO2+NO3N FIL.REAC	K'DAHL N TOTAL FIL.TOT.		PHOSPHOR UNF.TOT.	RESIDUE PARTIC.	SULPHATE UNF.REAC	TURB'ITY FTU
SAMPLE DATE	HOUR	MG/L AS N	MG/L AS N	PH	MG/L AS P	MG/L	MG/L AS S04	
YYMMDD	LMT	NUMBER						
820701	1400	33364	0.180	0.48	7.90	0.058	7.520	6.2
820708	1300	33373	0.140	0.58	7.67	0.060	5.850	6.2
820715	1400	33385	0.170	0.40	7.75	0.030	4.610	6.2
820722	1350	33394	0.145	0.88	7.55	0.088	14.100	5.9
820726	1230	33396	0.190	0.70	7.74	0.053	9.840	6.1
820803	1315	33408	0.150	0.50	7.50	0.207	5.800	6.6
820809	1200	33417	0.180	0.44	7.48	0.053	4.080	7.3
820816	1130	33426	0.130	0.60	7.64	0.053	1.190	7.0
820823	1125	33434	0.155	0.40	7.58	0.320	12.200	6.7
820830	1215	33446	0.110	0.40	7.70	0.235	9.700	6.9

B.O.W./ SITE: ABITIBI RIVER

STATION ID: 19-0064-032-02

SAMPLE POINT: UPSTR.FROM ABITIBI IROQUOIS FALLS DAM

STATION TYPE: RIVER FLOW GAUGE FED 04MC001

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

STORET CODE: 04

MINOR BASIN: JAMES BAY SHORE

001

TERM STREAM: MOOSE RIVER

0230

LAT: 48 45 25.98 LONG: 080 40 22.04

U T M: 17 0524050.0 5400300.0 4

REGION: 05

DISTANCE: 373.519

*=INTERIM TEST-NAME:		NNOTFR	NNTKUR	PH	PPUT	RSP	SS04UR	TURB
		NO2+NO3N	K'DAHL N		PHOSPHOR		SULPHATE	
		FIL.REAC	TOTAL		UNF.TOT.	RESIDUE	UNF.REAC	
SAMPLE		MG/L	MG/L		MG/L	PARTIC.	MG/L	TURB'ITY
DATE	HR	AS N	AS N	PH	AS P	MG/L	AS S04	FTU
YYMMDD	LMT							
MAXIMUM		0.190	0.88	7.90	0.320	14.100	7.3	48.00
ARITH MEAN		0.155	0.54	7.65	0.116	7.489	6.5	42.10
GEOM MEAN		0.153	0.52	7.65	0.086	6.269	6.5	41.89
MINIMUM		0.110	0.40	7.48	0.030	1.190	5.9	34.00
STD DEV (GEOM *)		0.025	0.16	0.13	0.100	3.964	0.5	4.41
# SAMP IN STATISTICS		10	10	10	10	10	10	10
% SAMP (EXCLUDED)								

B.O.W./ SITE: MATTAGAMI RIVER  
 SAMPLE POINT: 12MI.DOWNSTREAM FROM SMOOTH ROCK FALLS  
 STATION TYPE: RIVER

STATION ID: 19-0064-033-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 49 26 56.16 LONG: 081 39 14.14 U T M: 17 0452600.0 5477350.0 4 REGION: 05 DISTANCE: 297.399

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWSTRC	FWTEMP	NNOTFR
				BOD 5 DAY TOT.DEM. MG/L AS O	CHLORIDE UNF.REAC MG/L AS CL	CHEM. OX DEMAND MG/L AS O	CONDUCT. 25C UMHO/CM AT 25 C	DISOLVED OXYGEN MG/L AS O		WATER TEMP DEG.C	NO2+NO3N FIL.REAC MG/L AS N
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PROJECT SUB-PROJ CODE						STREAM COND.		
820623	1330	33339	0101	1.54	5.70	36	128.0	7.50	8	16.0	0.095
820630	1410	33358	0101	0.52	5.20	38	127.0	8.70	8	15.5	0.180
820707	1300	33368	0101	0.72	1.40	32	110.0	9.10	8	19.5	0.025
820721	1220	33390	0101	0.86	2.35	46	124.0	9.50	8	20.5	0.090
820727	1130	33399	0101	0.79	3.50	64	107.0	6.80	8	21.0	0.065
820804	1315	33412	0101	0.69	1.55	52	105.0	5.70	8	20.0	0.120
820817	1220	33429	0101	0.74	1.15	54	118.0	6.70	8	19.0	0.090
820824	1145	33437	0101	0.64	5.95	52	130.0	6.20	8	18.5	0.040
820831	1220	33449	0101	0.57	3.45	44	128.0	6.80	8	17.0	0.080
MAXIMUM				0.30	1.54	64	130.0	9.50		21.0	0.180
ARITH MEAN				0.30	0.79	46	119.7	7.44		18.6	0.087
GEOM MEAN					0.75	45	119.3	7.34		18.5	0.076
MINIMUM				0.30	0.52	32	105.0	5.70		15.5	0.025
STD DEV (GEOM *)				0.30	1.89	10	9.9	1.35		2.0	0.045
# SAMP IN STATISTICS				9	9	9	9	9		9	9
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		NNTKUR	PH	PPUT	RSP	SSC4UR	TURB
		K'DAHL N TOTAL FIL.TOT. MG/L AS N		PHOSPHOR UNF.TOT. MG/L AS P	RESIDUE PARTIC. MG/L	SULPHATE UNF.REAC MG/L AS S04	TURB'ITY FTU
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PH				
820623	1330	33339	0.53	7.70	0.023	4.560	9.5
820630	1410	33358	0.48	7.33	0.035	5.510	9.2
820707	1300	33368	0.45	7.49	0.030	2.710	6.7
820721	1220	33390	0.60	7.22	0.043	11.600	16.9
820727	1130	33399	0.93	7.23	0.028	0.710<T	8.0
820804	1315	33412	0.72	7.24	0.031	4.820	7.4
820817	1220	33429	0.66	7.39	0.040	6.380	7.2
820824	1145	33437	0.62	7.09	0.029	3.660	8.9
820831	1220	33449	0.59	7.39	0.030	4.180	8.9
MAXIMUM		0.93	7.70	0.043	11.600	16.9	15.40
ARITH MEAN		0.62	7.34	0.032	4.903<A	9.2	6.51
GEOM MEAN		0.61	7.34	0.032	4.003<A	8.9	5.92
MINIMUM		0.45	7.09	0.023	0.710	6.7	4.20
STD DEV (GEOM *)		0.14	0.18	0.006	3.000<A	3.1	3.61
# SAMP IN STATISTICS		9	9	9	9	9	9
% SAMP (EXCLUDED)							

B.O.W./ SITE: KAPUSKASING RIVER  
 SAMPLE POINT: AT SPRUCE FALLS MILL INTAKE  
 STATION TYPE: RIVER

STATION ID: 19-0064-034-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 49 24 36.14 LONG: 082 25 38.86 U T M: 17 0396450.0 5473800.0 4 REGION: 05 DISTANCE: 300.617

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CAUR	CLIDUR	COD	COND25	DO	FWSTRC
				ALK	5 DAY	CALCIUM	CHLORIDE	CHEM. OX	CONDUCT.	DISOLVED	
				TOTAL	TOT.DEM.	UNF.REAC	UNF.REAC	DEMAND	25C	OXYGEN	
SAMPLE		SAMPLE	PROJECT	MG/L	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	STREAM
DATE	HOUR	DEPTH	SUB-PROJ	AS CAC03	AS O	AS CA	AS CL	AS O	AT 25 C	AS O	COND.
YYMMDD	LMT	NUMBER	CODE								
820106	1310	23546	0101	77	0.4	25.0		23	170	12.60	
820201	1040	33300	0101	82	0.6	25.0		22	177	14.60	
820225	1135	33317	0101	82	0.2 <T	23.0		18	176	14.60	
820628	1500	33340	0101		0.44<T		0.65	36	137.0	6.60	8
820705	1330	33364	0101		0.47		0.65	38	147.0	7.50	8
820715	0940	33379	0101		0.77		0.65	34	149.0	4.80	8
820720	1115	33388	0101		0.95		0.45	68	127.0	7.90	8
820728	1105	33401	0101		0.81		0.45	42	134.0	6.80	8
820805	1015	33414	0101		0.48		0.60	28	137.0	5.90	8
820818	1030	33430	0101		0.82		0.55	38	138.0	5.50	8
820825	1020	33439	0101		0.35<T		0.60	38	139.0	5.00	8
820901	1030	33452	0101		2.04		0.45	42	150.0	3.50	8
MAXIMUM		0.30		82	2.04	25.0	0.65	68	177	14.60	
ARITH MEAN		0.30		80	0.7 <A	24.3	0.56	36	148	7.94	
GEOM MEAN				80	0.6 <A	24.3	0.55	34	148	7.20	
MINIMUM		0.30		77	0.2	23.0	0.45	18	127.0	3.50	
STD DEV (GEOM *)				3	0.5 <A	1.2	0.09	13	17	3.84	
# SAMP IN STATISTICS		12		3	12	3	9	12	12	12	
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		FWTEMP	NAUR	NNHTFR	NNOTFR	NN02FR	NN03FR	NNTKUR	PH	PP04FR	PPUT	
			SODIUM	NH3-N	NO2+NO3N	NO2-N	NO3-N	K'DAHL N		P04	PHOSPHOR	
			UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	FIL.REAC	TOTAL		FIL.REAC	UNF.TOT.	
			MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L	
SAMPLE		WATER	AS NA	AS N	AS N	AS N	AS N	AS N	PH	AS P	AS P	
DATE	HOUR	TEMP										
YYMMDD	LMT	DEG.C										
820106	1310	23546	2.5	1.4	0.016	0.075	0.002	0.075	0.38	7.67	0.001	0.015
820201	1040	33300	0.0	1.7	0.012	0.110	0.003	0.105	0.40	7.92	0.002	0.007
820225	1135	33317	2.0	1.8	0.010	0.130	0.003	0.125		7.56	0.005	
820628	1500	33340	18.5			0.230			0.50	7.82		0.017
820705	1330	33364	17.0			0.020			0.42	7.70		0.017
820715	0940	33379	17.0			0.030			0.48	7.34		0.024
820720	1115	33388	18.5			0.020			0.79	7.49		0.021
820728	1105	33401	21.0			0.015			0.63	7.63		0.027
820805	1015	33414	21.0			0.015			0.51	7.64		0.017
820818	1030	33430	19.5			0.005<T			0.58	7.59		0.019
820825	1020	33439	18.0			0.020			0.54	7.63		0.138
820901	1030	33452	16.0			0.005<T			0.56	7.72		0.025



B.O.W./ SITE: KAPUSKASING RIVER  
 SAMPLE POINT: AT SPRUCE FALLS MILL INTAKE  
 STATION TYPE: RIVER

STATION ID: 19-0064-034-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO  
 MINOR BASIN: JAMES BAY SHORE  
 TERM STREAM: MOOSE RIVER

STORET CODE: 04  
 001  
 0230

LAT: 49 24 36.14 LONG: 082 25 38.86 U T M: 17 0396450.0 5473800.0 4 REGION: 05 DISTANCE: 300.617

*INTERIM TEST-NAME:		FWTEMP	NAUR	NNHTFR NH3-N	NNOTFR	NN02FR	NN03FR	NNTKUR K'DAHL N	PH	PP04FR	PPUT
			SODIUM	TOTAL	NO2+NO3N	NO2-N	NO3-N	TOTAL		P04	PHOSPHOR
SAMPLE		WATER	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.REAC	FIL.TOT.		FIL.REAC	UNF.TOT.
DATE	HOUR	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L
YYMMDD	LMT	DEG.C	AS NA	AS N	AS N	AS N	AS N	AS N	PH	AS P	AS P
MAXIMUM		21.0	1.8	0.016	0.230	0.003	0.125	0.79	7.92	0.005	0.138
ARITH MEAN		14.2	1.6	0.013	0.056<A	0.003	0.102	0.53	7.64	0.003	0.030
GEOM MEAN			1.6	0.012	0.029<A	0.003	0.099	0.52	7.64	0.002	0.022
MINIMUM		0.0	1.4	0.010	0.005	0.002	0.075	0.38	7.34	0.001	0.007
STD DEV (GEOM *)			0.2	0.003	0.069<A	0.001	0.025	0.12	0.15	0.002	0.036
# SAMP IN STATISTICS		12	3	3	12	3	3	11	12	3	11
% SAMP (EXCLUDED)											

*INTERIM TEST-NAME:		RSF	RSP	SS04UR SULPHATE	TURB
		RESIDUE	RESIDUE	UNF.REAC	
SAMPLE		FILTERED	PARTIC.	MG/L	TURB'ITY
DATE	HOUR	MG/L	MG/L	AS S04	FTU
YYMMDD	LMT	NUMBER			
820106	1310	23546	111	0.3	10.5
820201	1040	33300	115	2.0	10.0
820225	1135	33317	114	1.0	9.0
820628	1500	33340		1.690	4.7
820705	1330	33364		6.660	5.0
820715	0940	33379		2.280	12.0
820720	1115	33388		2.470	3.8
820728	1105	33401		2.680	3.9
820805	1015	33414		1.720	4.8
820818	1030	33430		2.290	4.3
820825	1020	33439		2.210	4.4
820901	1030	33452		4.560	4.4
MAXIMUM		115	6.660	12.0	4.90
ARITH MEAN		113	2.5	6.4	3.49
GEOM MEAN		113	2.0	5.8	3.39
MINIMUM		111	0.3	3.8	2.50
STD DEV (GEOM *)		2	1.7	3.0	0.89
# SAMP IN STATISTICS		3	12	12	9
% SAMP (EXCLUDED)					

B.O.W./ SITE: KAPUSKASING RIVER

SAMPLE POINT: 20MI.DOWNSTREAM FROM SPRUCE FALLS MILL

STATION TYPE: RIVER

STATION ID: 19-0064-035-02

MAJOR BASIN: ARCTIC DRAINAGE ONTARIO

MINOR BASIN: JAMES BAY SHORE

TERM STREAM: MOOSE RIVER

STORET CODE: 04

001

0230

LAT: 49 33 49.16 LONG: 082 22 10.94

U T M: 17 0400950.0 5490800.0 4

REGION: 05

DISTANCE: 267.144

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	BOD5	CLIDUR	COD	COND25	DO	FWSTRC	FWTEMP	NNOTFR	
				BOD 5 DAY TOT.DEM.	CHLORIDE UNF.REAC	CHEM. OX DEMAND	CONDUCT. 25C	DISOLVED OXYGEN			NO2+NO3N FIL.REAC	
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	MG/L AS O	MG/L AS CL	MG/L AS O	UMHO/CM AT 25 C	MG/L AS O	STREAM COND.	WATER TEMP DEG.C	MG/L AS N
820629	1100	33343	0.30	0101	5.46	1.15	112	153.0	3.00	8	16.0	0.075
820706	1130	33366	0.30	0101	0.85	0.80	44	146.0	6.60	8	20.0	0.005<W
820714	1615	33378	0.30	0101	4.89	1.10	120	160.0	2.90	8	17.0	0.010<T
820719	1340	33387	0.30	0101	2.29	0.90	94	123.0	6.90	8	18.0	0.010<T
820729	1235	33403	0.30	0101	2.69	0.75	86	135.0	4.30	8	21.5	0.200
820806	1200	33416	0.30	0101	4.90	1.05	78	147.0	1.60	8	21.0	0.010
820826	1200	33441	0.30	0101	11.20	1.55	122	168.0	0.80	8	17.5	0.010<T
820902	1200	33454	0.30	0101	20.80	1.75	210	177.0	1.20	8	15.0	0.020
MAXIMUM		0.30			20.80	1.75	210	177.0	6.90		21.5	0.200
ARITH MEAN		0.30			6.63	1.13	108	151.1	3.41		18.2	0.042<A
GEOM MEAN					4.47	1.09	99	150.2	2.67		18.1	0.019<A
MINIMUM		0.30			0.85	0.75	44	123.0	0.80		15.0	0.005
STD DEV (GEOM *)					6.51	0.35	48	17.4	2.35		2.4	0.068<A
# SAMP IN STATISTICS		8			8	8	8	8	8		8	8
% SAMP (EXCLUDED)												

*=INTERIM TEST-NAME:		NNTKUR	PH	PPUT	RSP	SSC4UR	TURB
		K'DAHL N TOTAL FIL.TOT.		PHOSPHOR UNF.TOT.	RESIDUE PARTIC.	SULPHATE UNF.REAC	TURB'ITY FTU
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	MG/L AS N	PH	MG/L AS P	MG/L AS SO4	
820629	1100	33343	0.55	6.76	0.038	4.650	9.0
820706	1130	33366	0.58	7.81	0.033	1.890	5.5
820714	1615	33378	0.55	6.84	0.027	6.460	4.6
820719	1340	33387	0.80	7.31	0.033	4.530	6.1
820729	1235	33403	0.75	6.97	0.030	5.440	4.9
820806	1200	33416	0.60	6.85	0.126	3.740	7.0
820826	1200	33441	0.77	6.78	0.030	4.780	9.3
820902	1200	33454	0.70	7.06	0.030	10.800	14.6
MAXIMUM		0.80		7.81	0.126	10.800	14.6
ARITH MEAN		0.66		7.05	0.043	5.286	7.6
GEOM MEAN		0.66		7.04	0.037	4.775	7.1
MINIMUM		0.55		6.76	0.027	1.890	4.6
STD DEV (GEOM *)		0.10		0.36	0.034	2.590	3.3
# SAMP IN STATISTICS		8		8	8	8	8
% SAMP (EXCLUDED)							

01002

RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. INDEX	PAGE NO.
AGAWA RIVER	AGAWA RIVER	AT HIGHWAY 17	0.966	01-0012-001-02	2 B-01	3
BATCHAWANA RIVER	BATCHAWANA RIVER	AT HIGHWAY 17	0.322	07-0031-001-02	4 E-01	87
BENNETT CREEK	BENNETT CREEK	AT 2ND.LINE RD.SAULT STE MARIE	2.897	13-0007-003-02	5 G-01	102
	WEST DAVIGNON CREEK	AT 2ND.LINE RD.	2.575	13-0007-004-02	5 H-01	104
BIG CARP RIVER	BIG CARP RIVER	AT HERKIMER STREET SAULT STE MARIE	1.127	13-0003-001-02	5 F-01	100
BLANCH RIVER	ALLIGATOR CREEK	UPSTREAM OF ENGLEHART LAGOON DISCHARGE	50.209	18-7710-011-02	7 C-02	338
	ALLIGATOR CREEK	1ST.CONC.RD.D/S ENGLEHART LAGOON	47.312	18-7710-012-02	7 D-02	339
BLANCHE RIVER	AMIKOUGAMI CREEK	AT HIGHWAY NO. 66	104.605	18-7710-010-02	7 B-02	337
	BLANCHE RIVER	HIGHWAY 112, 8 MILES SOUTH OF SWASTIKA	85.776	18-7710-004-02	7 L-01	332
	BLANCHE RIVER	AT BRIDGE ON ROSEGROVE BEACH ROAD	96.719	18-7710-009-02	7 A-02	336
	LARDER LAKE	PUBLIC BEACH, LARDER LAKE	82.074	18-7710-003-01	7 K-01	330
	MURDOCK CREEK	HIGHWAY 112, 2.5 MILES EAST OF SWASTIKA	102.351	18-7710-006-02	7 M-01	334
BLIND RIVER	BLIND RIVER	AT HIGHWAY 17 BRIDGE BLIND RIVER	0.322	14-0014-003-02	6 E-01	132
BOYNE RIVER	BOYNE RIVER	OTTER LAKE OUTLET SOUTH OF PARRY SOUND	10.943	03-0096-002-02	3 A-01	13
EAST DAVIGNON CREEK	EAST DAVIGNON CREEK	NEAR MOUTH WEST OF ALGOMA STEEL	0.483	13-0008-001-02	5 I-01	105
	EAST DAVIGNON CREEK	AT 4THLINE RD, SAULT STE MARIE	6.276	13-0008-002-02	5 J-01	107
FARR CREEK	COBALT LAKE	AT OUTLET, COBALT	9.495	18-7370-002-01	7 H-01	325
	FARR CREEK	DOWNSTREAM FROM CROSSWISE LAKE	5.472	18-7370-001-02	7 G-01	323
	SASAGINAGA LAKE	NEAR COBALT	10.460	18-7370-003-01	7 I-01	326
FORT CREEK	FORT CREEK	AT MOUTH, SAULT STE MARIE	0.161	13-0009-001-02	5 K-01	108
FRENCH RIVER MAIN CH	STURGEON RIVER	4MI.DOWNSTREAM FROM HIGHWAY NO.17	117.318	03-0133-003-02	3 J-01	31
	STURGEON RIVER	AT BRIDGE IN STURGEON FALLS	124.077	03-0133-004-02	3 K-01	33
FRENCH RIVER MAIN CH	CALLANDER BAY	NEAR DOCKS CALLANDER BAY	0.000	03-0133-009-01	3 L-01	35
	SHIPPEW CREEK	AT MOUTH AMELIA PARK NORTH BAY	215.163	07-0133-010-02	7 G-02	69

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. INDEX	PAGE NO.
FRENCH RIVER MAIN CH	CHIPPEWA CREEK	AT GOLF CLUB ROAD NORTH BAY	220.152	03-0133-025-02	3 L-02	58
	DUCHESNAY RIVER	HWY.17 UPSTREAM OF NORDFIBRE	114.743	03-0133-012-02	3 B-02	41
	DUCHESNAY RIVER	HWY.17B DOWNSTREAM OF NORDFIBRE	114.260	03-0133-013-02	3 C-02	43
	FRENCH RIVER	AT HIGHWAY 69	28.967	03-0133-001-02	3 H-01	27
	GENESEE CREEK	POWASSAN WATER WORKS	147.251	03-0133-020-02	3 H-02	51
	GENESEE CREEK	AT HIGHWAY 11 POWASSAN	145.642	03-0133-022-02	3 I-02	53
	LA VASE RIVER	UPSTREAM FROM DUPONT NORTH BAY	121.180	03-0133-014-02	3 D-02	44
	LA VASE RIVER	DOWNSTREAM FROM DUPONT NORTH BAY	120.698	03-0133-015-02	3 E-02	46
	LA VASE RIVER	AT MOUTH NORTH BAY	0.322	03-0133-024-02	3 K-02	56
	LAKE NIPISSING	AT AMELIA BEACH NORTH BAY	0.000	03-0133-010-01	3 M-01	37
	LAKE NIPISSING	DOWNSTREAM GOVERNMENT DOCKS NORTH BAY	0.000	03-0133-011-01	3 A-02	39
	PARKS CREEK	AT LAKESHORE DRIVE NORTH BAY	0.161	03-0133-026-02	3 M-02	60
	SOUTH RIVER	AT HWY.NO.11 NORTH OF SOUTH RIVER	53.268	03-0133-023-02	3 J-02	55
	STURGEON RIVER	FIRST BRIDGE UPSTREAM FROM CRYSTAL FALLS	140.492	03-0133-017-02	3 F-02	47
	STURGEON RIVER	DOWNSTREAM FROM HIGHWAY NO 17	123.755	03-0133-028-02	3 A-03	62
	VEUVE RIVER	AT FIRST ROAD UPSTREAM FROM CACHE BAY	126.330	03-0133-002-02	3 I-01	29
FRENCH RIVER WEST CH	CONISTON CREEK	HIGHWAY 17 CONISTON	88.512	03-0134-005-02	3 D-03	68
	CONISTON CREEK	UPSTREAM FROM WANAPITEI RIVER CONISTON	84.971	03-0134-006-02	3 E-03	70
	CONISTON CREEK	AT N.I.R. ROAD	99.600	03-0134-016-02	3 I-03	77
	EMERY CREEK	UPSTREAM FROM WANAPITEI RIVER WAHNAPIITAE	95.753	03-0134-003-02	3 C-03	66
	ROMFORD CREEK	UPSTREAM FROM JUNCTION WITH CONISTON CR	88.672	03-0134-013-02	3 G-03	75
	ROMFORD CREEK	EDWARD STREET BRIDGE, CONISTON	88.994	03-0134-014-02	3 H-03	76
	WANAPITEI RIVER	AT BRIDGE IN ST. CLOUD	72.740	03-0134-001-02	3 B-03	64
	WANAPITEI RIVER	AT TIMMINS CHUTE	96.075	03-0134-008-02	3 F-03	73

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. INDEX	PAGE NO.
GARDEN RIVER	GARDEN RIVER	HIGHWAY 17, GARDEN RIVER	2.253	13-0013-001-02	5 A-02	114
GOULAIS RIVER	GOULAIS RIVER	AT BRIDGE GOULAIS RIVER	12.231	07-0009-003-02	4 A-01	79
HARMONY RIVER	HARMONY RIVER	HIGHWAY 17 CHIPPEWA FALLS	0.805	07-0028-001-02	4 D-01	85
MAGNETAWAN RIVER	BERNARD CREEK	1ST.BRIDGE DNSTR.FROM SUNDRIDGE LAGOON	133.089	03-0124-004-02	3 E-01	21
	BERNARD CREEK	AT HIGHWAY NO. 520	116.191	03-0124-005-02	3 F-01	23
	MAGNETAWAN RIVER	AT 1ST.BRIDGE DNSTR.FROM HIGHWAY NO 11	120.376	03-0124-001-02	3 C-01	17
	MAGNETAWAN RIVER	AT HIGHWAY 69	10.460	03-0124-003-02	3 D-01	19
MAGPIE RIVER	MAGPIE RIVER	HIGHWAY 17 1 MILE WEST OF WAWA	12.713	01-0029-002-02	2 D-01	7
	MAGPIE RIVER	AT BRIDGE DOWNSTREAM FROM MISSION FALLS	2.092	01-0029-005-02	2 E-01	9
	MAGPIE RIVER	UPSTREAM OF WAWA LAGOONS	13.358	01-0029-006-02	2 F-01	11
MATTAWA RIVER	FOUR MILE CREEK	FOUR MILE CREEK AT MOUTH	14.805	18-6070-100-02	7 D-01	318
	KAIBUSKONG RIVER	AT DAM IN BONDFIELD	35.727	18-6070-090-02	7 C-01	316
	MATTAWA RIVER	HIGHWAY 533 BRIDGE MATTAWA	0.161	18-6070-020-02	7 B-01	314
MC CURRY LAKE	MC CURRY LAKE OUTLET	EMIL STREET PARRY SOUND	0.322	03-0097-001-02	3 B-01	15
MICHIPICOTEN RIVER	MICHIPICOTEN RIVER	HIGHWAY 17 5 MILES SOUTH OF WAWA	6.115	01-0029-001-02	2 C-01	5
MISSISSAGI RIVER	MISSISSAGI RIVER	AT MISSISSAGI CHUTE	3.862	14-0012-001-02	6 B-01	118
	MISSISSAGI RIVER	AT DEAN LAKE ROAD BRIDGE	16.415	14-0012-003-02	6 C-01	124
	MISSISSAGI RIVER	AT MOUTH	0.500	14-0012-004-02	6 D-01	129
MONTREAL RIVER	GIROUX LAKE	AT OUTLET NEAR COBALT	106.697	18-6975-001-01	7 E-01	319
	GIROUX LAKE	AT GLEN LAKE OUTLET	108.950	18-6975-004-01	7 F-01	321
	MONTREAL RIVER	HIGHWAY NO 17 66 MILES SOUTH OF WAWA	0.805	01-0009-001-02	2 A-01	1
MOOSE RIVER	ABITIBI RIVER	AT HIGHWAY NO 574	283.720	19-0064-023-02	8 I-01	358
	ABITIBI RIVER	36MI.DNSTR.ABITIBI IROQUOIS FALLS MILL	266.500	19-0064-030-02	8 K-01	362
	ABITIBI RIVER	UPSTR OF ABITIBI MILL DISCHARGE	373.840	19-0064-031-02	8 L-01	364

01002

RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. INDEX	PAGE NO.
MOOSE RIVER	ABITIBI RIVER	UPSTR.FROM ABITIBI IROQUOIS FALLS DAM	373.519	19-0064-032-02	8 M-01	366
	BLACK RIVER	HIGHWAY 101 TOWN OF MATHESON	422.763	19-0064-007-02	8 E-01	349
	GROUNDHOG RIVER	HIGHWAY 11 BRIDGE IN FAUQUIER	300.134	19-0064-016-02	8 H-01	355
	KAPUSKASING RIVER	UPSTREAM FROM SPRUCE FALLS PAPER COMPANY	300.939	19-0064-009-02	8 F-01	350
	KAPUSKASING RIVER	AT FRED FLATT RD.DNSTR.FROM KAPUSKASING	278.087	19-0064-024-02	8 J-01	360
	KAPUSKASING RIVER	AT SPRUCE FALLS MILL INTAKE	300.617	19-0064-034-02	8 B-02	369
	KAPUSKASING RIVER	20MI.DOWNSTREAM FROM SPRUCE FALLS MILL	267.144	19-0064-035-02	8 C-02	371
	MATTAGAMI RIVER	DOWNSTREAM FROM TIMMINS STP.	425.660	19-0064-001-02	8 A-01	340
	MATTAGAMI RIVER	HIGHWAY 101 BRIDGE, TIMMINS	427.269	19-0064-002-02	8 B-01	342
	MATTAGAMI RIVER	UPSTR.OF ABITIBI PAPER SMOOTH ROCK FALLS	317.837	19-0064-011-02	8 G-01	352
	MATTAGAMI RIVER	12MI.DOWNSTREAM FROM SMOOTH ROCK FALLS	297.399	19-0064-033-02	8 A-02	368
	PORCUPINE RIVER	HIGHWAY 101 WHITNEY TOWNSHIP	431.936	19-0064-003-02	8 C-01	345
	PORCUPINE RIVER	HIGHWAY 101 BRIDGE, HOYLE	404.739	19-0064-004-02	8 D-01	347
OTTAWA RIVER	OTTAWA RIVER	AT OTTO HOLDEN DAM 1200' FROM P/Q SHORE	548.610	18-0000-360-02	7 A-01	312
PICKEREL RIVER	PICKEREL RIVER	AT HIGHWAY 69	27.680	03-0130-001-02	3 G-01	25
ROOT RIVER	ROOT RIVER	AT HWY.NO.17 EAST OF SAULT STE MARIE	1.287	13-0011-001-02	5 L-01	110
	ROOT RIVER	AT HWY.NO.17 NORTH OF SAULT STE MARIE	13.840	13-0011-002-02	5 M-01	112
SERPENT RIVER	BUCKLES CREEK	AT HWY.NO 108 SOUTH OF ELLIOT LAKE 40 1	73.062	14-0019-007-09	6 K-01	145
	CAMP LAKE	AT SOUTH END 55 1	16.737	14-0019-037-01	6 F-03	195
	CREEK	NEAR ROAD TO STANROCK TOWNSITE 32 2	86.902	14-0019-012-09	6 B-02	156
	CROTCH LAKE OUTLET	AT CROTCH LAKE 34 1	70.005	14-0019-006-09	6 J-01	144
	DEPOT LAKE OUTLET	AT LAKE DEPOT 52 1	46.509	14-0019-002-02	6 G-01	137
	DUNLOP LAKE	DUNLOP LAKE IN BAY A 18 1	93.822	14-0019-030-01	6 L-02	181
	DUNLOP LAKE OUTLET	AT OUTLET OF DUNLOP LAKE 18 2	93.339	14-0019-019-02	6 E-02	163

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. INDEX	PAGE NO.
SERPENT RIVER	ELLIOT LAKE	AT ELLIOT LAKE MUNICIPAL PUMPHOUSE 48 1	76.442	14-0019-027-01	6 K-02	178
	ESTEN LAKE	CENTRAL PART OF ESTEN LAKE 49 1	60.188	14-0019-067-01	6 G-04	226
	ESTEN LAKE OUTLET	OUTLET OF ESTEN LAKE DIVERSION	65.498	14-0019-074-02	6 L-04	237
	EVANS LAKE OUTLET	AT NEW DIVERSION	95.270	14-0019-073-02	6 K-04	235
	GRAVEL PIT LAKE OUTLET	AT NEW OUTLET	93.017	14-0019-072-02	6 J-04	233
	HOUGH LAKE	CENTRE OF LAKE	56.808	14-0019-041-01	6 J-03	203
	MAY LAKE	SOUTH END OF MAY LAKE 33 3	61.636	14-0019-054-01	6 D-04	220
	MAY LAKE	NORTH END OF MAY LAKE 33 1	64.372	14-0019-055-01	6 E-04	222
	MCCABE LAKE	CENTRE OF LAKE 35 1	69.522	14-0019-036-01	6 E-03	193
	MCCARTHY LAKE	AT WEST END 53 1	40.876	14-0019-039-01	6 H-03	199
	MCCARTHY LAKE	AT SOUTH END 53 3	36.692	14-0019-040-01	6 I-03	201
	NORTH NORDIC LAKE	AT EFFLUENT CANAL N 19	72.097	14-0019-043-01	6 K-03	205
	ORIENT LAKE OUTLET	AT LAKE OUTLET	85.400	14-0019-070-02	6 H-04	228
	PANEL CREEK	AT QUIRKE LAKE P11	79.500	14-0019-056-02	6 F-04	224
	PANEL MINE TAILINGS EFFLUENT	AT TAILINGS TREATMENT EFFLUENT	80.000	14-0019-071-02	6 I-04	231
	PECORS LAKE INLET	AT PECORS LAKE 37 1	54.716	14-0019-004-02	6 I-01	142
	PECORS LAKE OUTLET	AT PECORS LAKE 38 1	47.796	14-0019-003-02	6 H-01	140
	PRONTO DITCH	OUTLET BELOW PRONTO TREATMENT PLANT PR 4	1.770	14-0019-046-09	6 A-04	213
	PRONTO EFFLUENT	AT HWY.NO.17 NEAR PRONTO MINE RD.60 1	0.805	14-0019-023-01	6 H-02	171
	QUIRKE LAKE	SOUTH WEST OF STANROCK MINE 25 4	85.454	14-0019-031-01	6 M-02	183
	QUIRKE LAKE	NORTH EAST OF CAN MET MINE 25 7	81.109	14-0019-032-01	6 A-03	185
	QUIRKE LAKE	SOUTH EAST CORNER 25 6	83.040	14-0019-033-01	6 B-03	187
	QUIRKE LAKE	EAST OF DENISON MINE 25 2	85.776	14-0019-034-01	6 C-03	189
	QUIRKE MINE TAILINGS	TREATED QUIRKE TAILINGS EFFLUENT	89.799	14-0019-051-01	6 C-04	217

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SERPENT RIVER	QUIRKE TAILINGS CONTROL	POND A OUTLET	91.730	14-0019-022-01	6 G-02 168
	ROCHESTER CREEK	NEAR INLET TO QUIRKE LAKE	79.660	14-0019-010-02	6 M-01 151
	SERPENT HARBOUR	NEAR HOSPITAL POINT 08 2	0.000	14-0019-038-01	6 G-03 197
	SERPENT RIVER	AT OLD HWY.NO.17 E.OF HWYS.108&17 57 2	8.207	14-0019-001-02	6 F-01 134
	SERPENT RIVER	NEAR INLET TO QUIRKE LAKE	86.098	14-0019-011-02	6 A-02 153
	SERPENT RIVER	AT PANEL MINESIDE ROAD 24 1	89.477	14-0019-014-02	6 C-02 158
	SERPENT RIVER	AT QUIRKE LAKE OUTLET 26 1	77.890	14-0019-049-02	6 B-04 215
	SERPENT RIVER TRIB	PANEL MINE TREATMENT PLANT INFLOW P13	80.643	14-0019-025-02	6 I-02 174
	SERPENT RIVER TRIB	PANEL MINE TREATMENT PLANT OUTLET P14	80.321	14-0019-026-09	6 J-02 176
	SERPENT RIVER TRIB.	MOOSE LAKE OUTLET	85.293	14-0019-020-02	6 F-02 166
	SHERIFF CREEK	AT HIGHWAY NO 108 ELLIOT LAKE 45 1	78.051	14-0019-009-02	6 L-01 148
	STOLLERY LAKE	STOLLERY LAKE AT DENISON DAM 21 4	92.535	14-0019-017-09	6 D-02 161
	WESTNER LAKE	AT SKI CLUB ROAD N 15	75.798	14-0019-044-01	6 L-03 207
	WHISKEY LAKE	SOUTH END NEAR RUM POINT 29 4	59.383	14-0019-035-01	6 D-03 191
	WILLIAMS LAKE CREEK	AT DENISON MINE ACCESS ROAD D 3	91.408	14-0019-045-02	6 M-03 210
SPANISH RIVER	AUX SABLES RIVER	AT BRIDGE DOWNSTREAM FROM CAMERON FALLS	50.522	14-0028-064-02	6 H-07 310
	COPPER CLIFF CREEK	AT CEASAR ROAD SUDBURY	131.802	14-0028-005-02	6 A-05 242
	JUNCTION CREEK	AT OUTLET OF KELLY LAKE	122.951	14-0028-003-02	6 M-04 239
	JUNCTION CREEK	AT ORELL STREET CARSON	150.148	14-0028-042-02	6 D-06 279
	JUNCTION CREEK	UPSTREAM OF SIMON LAKE AT RESERVE ROAD	112.973	14-0028-046-02	6 G-06 285
	JUNCTION CREEK	100 FEET UPSTR.OF SUDBURY STP OUTFALL	129.227	14-0028-047-02	6 H-06 287
	JUNCTION CREEK	AT KELLEY LAKE ROAD	130.514	14-0028-048-02	6 I-06 289
	<del>JUNCTION CREEK</del>	<del>AT KING STREET SUDBURY</del>	137.273	14-0028-049-02	6 J-06 291
	JUNCTION CREEK	HWY.69 2 CULVERT N.OF TURNER AVE	138.238	14-0028-061-02	6 E-07 307



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SPANISH RIVER	JUNCTION CREEK	1 CULVERT N.OF TURNER AVE.ON HWY 69.N.	137.273	14-0028-062-02	6 F-07 308
	JUNCTION CREEK	HWY 69 N 1000M N OF STOBIE MINE RD	140.491	14-0028-063-02	6 G-07 309
	JUNCTION CREEK WEST BRANCH	AT LASALLE BLVD SUDBURY	138.722	14-0028-040-02	6 C-06 277
	MINISTIC CREEK	AT FIRST BRIDGE ON AGNEW ROAD	87.385	14-0028-021-02	6 J-05 261
	MOOSE CREEK	AT MOOSE LAKE OUTLET	181.851	14-0028-015-02	6 G-05 255
	MOOSE CREEK	DOWNSTREAM OF LEVACK	176.540	14-0028-018-02	6 H-05 257
	MOOSE CREEK	AT FECUNIS LAKE OUTLET	183.700	14-0028-060-02	6 D-07 305
	NOLIN CREEK	AT HIGHWAY NO 144	139.848	14-0028-043-02	6 E-06 281
	ONAPING RIVER	1 MILES UPSTREAM FROM HIGH FALLS	171.873	14-0028-012-02	6 E-05 250
	ONAPING RIVER	UPSTREAM FROM LEVACK SEPTIC TANK	177.345	14-0028-013-02	6 F-05 253
	SPANISH RIVER	AT HIGH FALLS	85.454	14-0028-020-02	6 I-05 258
	SPANISH RIVER	AT BRIDGE SOUTH OF THE TOWN OF MASSEY	30.094	14-0028-038-02	6 A-06 270
	SPANISH RIVER	AT BRIDGE SOUTH OF THE TOWN OF MASSEY	30.094	14-0028-038-83	6 B-06 276
	SPANISH RIVER	UPSTR.FROM E B EDDY PAPER MILL ESPANOLA	50.532	14-0028-045-02	6 F-06 283
	SPANISH RIVER	UPSTR.FROM CONFLUENCE WITH AUX SABLES R.	32.508	14-0028-055-02	6 L-06 295
	SPANISH RIVER	DNSTR.FROM ESPANOLA SOUTH OF WALFORD	14.484	14-0028-056-02	6 M-06 297
	SPANISH RIVER	3 MILES DNSTR OF E.B.EDDY PLANT ESPANOLA	45.704	14-0028-057-02	6 A-07 299
	VERMILION RIVER	DNSTR.FROM JUNCTION WITH WHITSON RIVER	127.778	14-0028-006-02	6 B-05 244
	VERMILION RIVER	AT FOOT OF BASS LAKE UPSTR.FROM CAPREOL	221.440	14-0028-010-02	6 D-05 248
	VERMILION RIVER	HIGHWAY 17 2 MILES EAST OF WHITEFISH	105.248	14-0028-027-02	6 K-05 264
	VERMILION RIVER	DOWLING 6 MILES WEST OF CHELMSFORD	154.171	14-0028-033-02	6 M-05 268
	VERMILION RIVER	AT HIGHWAY NO. 549	93.400	14-0028-058-02	6 B-07 301
	VERMILLION RIVER	ON ROAD TO VAL THERESE	204.542	14-0028-050-02	6 K-06 293
	WHITSON RIVER	AT BRIDGE IN CHELMSFORD	139.204	14-0028-008-02	6 C-05 246

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SPANISH RIVER	WHITSON RIVER	HIGHWAY 634 WEST OF VAL CARON	157.229	14-0028-028-02	6 L-05 266
	WHITSON RIVER	AT VERMILION RIVER	128.000	14-0028-059-02	6 C-07 303
ST. MARYS RIVER	ST.MARYS RIVER	AT HURON STREET DAM (CENTRE)	0.000	13-0000-003-02	5 A-01 89
ST.MARYS RIVER	ST MARYS RIVER	AT HWY.NO.2 SAULT STE.MARIE MICHIGAN USA	0.000	13-0000-008-02	5 E-01 97
	ST.MARYS RIVER	AT BELL'S POINT DOCK	0.000	13-0000-005-02	5 B-01 91
	ST.MARYS RIVER	AT PRIVATE DOCK E.OF S.S.MARIE GOLF CLUB	0.000	13-0000-006-02	5 C-01 93
	ST.MARYS RIVER	AT SAULT STE MARIE CIVIC CENTRE	0.000	13-0000-007-02	5 D-01 95
STOKLEY CREEK	STOKLEY CREEK	KARALASH CORNERS, VAN KOUGHNET TOWNSHIP	6.437	07-0020-001-02	4 B-01 81
	STOKLEY CREEK	AT HIGHWAY 17	0.161	07-0020-002-02	4 C-01 83
THESSALON RIVER	THESSALON RIVER	AT MOUTH, SOUTH OF THESSALON	0.000	14-0003-001-02	6 A-01 116
WABI CREEK	WABI CREEK	HIGHWAY 11 BYPASS NEAR NEW LISKEARD	0.644	18-7450-001-02	7 J-01 328



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